CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcement for the current week are the following:

Proposed Work

Hospital, Pittsburgh, Pa., Allegheny General Hospital, plans, $6,000,000.

Museum, New York, N. Y., American Museum of Natural History, plans, $4,500,000.

Clubhouse, etc., Marion, Mass., Devonshire Manor Sales Corp., sketches, $4,000,000.

Theatre, Atlantic City, N. J., Colonial Trust Co., plans, $4,000,000.

Courthouse, Brooklyn, N. Y., sketches, $3,500,000.

Sewers, St. Louis, Mo., soon takes bids, $2,500,000.

Office, Los Angeles, Calif., Southern California Edison Co., plans, $2,000,000.

Hotel, Garage, etc., Hamilton, Ont., Royal Hotel & Terminal Syndicate, plans, $2,000,000.

Apartment, Phila., Pa., Owner c/o R. M. Dippy, archt., $1,500,000.

Theatre and store, New York, N. Y., Highbridge Realty Corp., bids in September, $1,250,000.

School, Newark, N. Y., State Educ. Comn., bids latter part July, $1,100,000.

Office, Yonkers, N. Y., Leeschest Building Co., plans, $1,000,000.

Sanitarium, Lake Hopatcong, N. J., Deborah Jewish Relief Society, sketches, $1,000,000.

Bank, Nashville, Tenn., Bank of Commerce & Trust Co., plans, $1,000,000.

Hospital, New York, N. Y., Gotham Hospital, sketches, to exceed $1,000,000.

Bids Desired

Stadium and sports palace, Chicago, Ill., J. W. Snyder Co., general contractor, taking sub-bids for J. J. Harmon, est. $4,786,000.

Office, Memphis, Tenn., July 16 by W. C. Hedrick, archt., Ft. Worth, Tex., for R. S. Sterling et al, Houston, Tex., $2,500,000.

Theatre, San Antonio, Tex., July 20 by Interstate Amusement Co., $2,250,000.

Hotel, Newark, N. J., Majestic Holdin Co., taking bids, $2,000,000.

Theatre, Ottawa, Ont., Famous Player's Corp. of Canada, Montreal, taking bids, $1,250,000.

City hall, Atlanta, Ga., July 23 by H. C. McCutcheon, chn. City Council, $1,250,000.

Courthouse, New City, N. Y., July 17 by Bd. Supervs. Rockland Co., $1,000,000.

Contracts Awarded

Bank and office, Baltimore, Md., Taylor & Fisher and Smith & May, archts. to J. Henry Miller, Inc., for Baltimore Trust Co., $3,000,000.

Office and store, Chicago, Ill., Holabird & Root, archts., general contract to Lundorf-Bicknell Co., for Palm Olive-Peet Co., est. $2,500,000.

High school, Chicago, Ill., Bd. Educ., general contract to Great Lakes Constr. Co., and others, est. $2,000,000.

Factory, Pontiac, Mich., Fisher Body Corp., to W. E. Wood Co., Detroit, est. $2,000,000.

Hotel, New York, N. Y., Greeley Square Hotel Co., to Thompson Starrett Co., est. $2,000,000.

Clubhouse, Cleveland, O., Cleveland Club, to Thompson Starrett Co., New York, est. $1,600,000.

Exchange, Buffalo, N. Y., New York Telephone Co., Albany, to J. W. Cowper, est. $1,500,000.

Office, Toronto, Ont., Adelaide-Sheppard Co., Ltd., to Simcoe Constr. Co., est. $1,000,000.

Hotel, St. Louis, Mo., W. H. and N. Cunliff Co., will build, est. $1,000,000.

Theatre, Lynbrook, N. Y., Owner, c/o W. B. Wills & Sons, archts., to McAndrew Constr. Corp., New York, est. $1,000,000.

Hotel, San Angelo, Tex., B. B. Hall, of West Texas Timber Co., general contract, to R. E. McKee, El Paso, and others total est. $1,000,000.

Hospital, Boston, Mass., Boston Lying-in-Hospital, to Stone & Webster, est. $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 19.

News of the Week

Waterworks

Proposed Work

Mass., Revere (br. Boston)—Reconstructing reservoir on Fenno's Hill. $31,000 appropriated.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids rein.-con., brick gallery intake on west bank Mississippi River, Chain-of-Rocks Waterworks Station, incl. 10 ft. channel, 650 ft. wide, to be dug in river intake. $250,000. L. Day, City Hall, comr. Noted May 24.

Mo., St. Louis—See "Contracts Awarded."

Tex., Dalworth—Extending waterworks incl. c.i. pipe, fire plugs. $30,000. H. B. McAllister, 1315 North 12th St., Waco, engr.

Tex., Ft. Stockton—Extending 3,000 ft. 6 in. c.i. mains. Address Mayor.

Okla., Woodville — New water-works. $18,000. E. W. Gantt, 1116 West Main Main St., Oklahoma City, engr.

Calif., Montecito—Montecito Co. Water Dist. 160 ft. dam, on Santa Ynez river with auxiliary dam. $880,000. C. Wyant, 29 San Ysidro Rd., Santa Barbara, engr.

Calif., Suisun—For 12,700 ft. 9 in. mains 12-gauge steel, from pumping plant to distributing reservoir. To exceed $150,000. Kerns & Ebdert, Postal Telegraph Bldg., San Francisco, engrs.

Ont., Scarboro—P. Utilities Comn., waterworks filtration plant. $50,000.

Bids Desired

Mass., Concord—July 27, by Bd. Water & Sewer Comrs., pumping equipment, appurtenances for pumping station.

N. Y., Albany—July 26, by Bd. Water Supply, 101 State St., Basic Creek tunnel in Westerlo. Noted June 28.

N. Y., Brooklyn—July 17, by J. J. Dietz, comr. Water Supply, Gas & Electricity Municipal Bldg., New York, mains in Prospect Park West, Ocean Parkway, avenues M, Q, T, U and W, Carlton, Church, Ditmas, Flushing, Greenpoint, Irving, Livonia, Nostrand, New Jersey, Sheffield, Snediker, Utica, Vanderbilt, 2nd, 16th and 17th Aves., Coyle, Herzl, Richards, 59th, 64th, 65th, 80th, 92nd, West 4th, East 6th, 16th, 35th, 38th, 40th, 57th, 59th, 65th, 92nd and 93rd Sts.

Md., Baltimore—July 18, by Bd. Awards, mains in Old Frederick Rd., Harlem Lane, Edmondson and Melvin Aves. E. G. Rost, Municipal Office Bldg., water engr.

Tenn., Germantown—July 16, by E. W. G. Meers, mayor, and Bd. Aldermen, deep well, 60 g.p.m. electric motor driven deep well pump. J. M. Thompson, city clk.

O., Cincinnati—July 13, by Comrs. Hamilton Co., 41,940 ft. 6- to 8-in. c.i. mains in Water Supply Line 89, Dists. 1 and 7, $99,181. Former bids rejected. L. C. Boyatt, Court House, engr. Noted June 7.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Kan., Barnes—July 16, by R. G. Fagan, city clk., complete waterworks, distribution system. $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted July 5.

Neb., Lincoln—Bids about Sept. 1, 5 m.g. rein.-con. reservoir at A St. Pumping Station. $50,000. D. L. Erickson, City Hall, engr. Noted June 28.

Mo., St. Louis—Aug. 8 by Bd. P. Serv., City Hall, 2 sludge pump houses for Missouri River Water Works Station, at Howard's Bend, St. Louis Co. $20,000. L. Day, City Hall, comr.

Bids Received

N. Y., Albany—Bd. Water Supply, July 9, earth fill, concrete dam on Hannacroix Creek, in Coeymans, from Winston & Co., 277 Fair St., Kingston, $747,449. Noted June 28.

Contracts Awarded

Pa., Phila.—Dpt. P. Wks., Bureau of Water, Contr. 924, to Blaw-Knox Co., Colonial Trust Bldg., $17,624. Contr. 926, to E. F. Roberts, 2622 Columbia Ave., $1,797; Contr. 930, to Herman Mayer Co., K and Venango Sts., $19,433. Grand total $38,854. Noted July 5.

Miss., Boyle—Mayor and Bd. Aldermen, tank, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, $5,675; pipe, to McWane Cast Iron Pipe Co., 3700 11th Ave. N., Birmingham, Ala., $3,586; hydrants, valves and boxes, to Columbia Iron Wks., 2501 Chestnut St., Chattanooga, Tenn., $949; laying pipe and general construction work, to M. H. Ellis, Clarksdale, $2,323. Grand total $12,534. Noted May 24.

La., Collinston—C. B. Mason, village clk., laying c.i. mains, to C. J. Montgomery, Kaplan; pipe, hydrants, valves, fittings, to Dixie Mill Supply Co., 901 Tchouputoulas St., New Orleans; well, fittings, to Gray Artesian Well Co., Pensacola, Fla.; 500 g.p.m. high pressure pump, to Fairbanks Morse & Co., 1000 St. Charles St., New Orleans. Est. $26,000. Noted May 31.

Mich., Roseville—H. R. McReavy, village clk., furnishing, laying 33,251 ft. 6- to 24-in. mains, to B. Canini, 1898 Cleveland Ave., Columbus, O., $183,497. Noted May 10.

Ill., Columbia—Distribution System, incl. 40,380 ft. c.i. mains, fifty-four 4 in. and eighteen 6 in. gate valves, boxes, to Pittsburgh Des Moines Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $36,419. Noted April 26.

Ill., Winfield—Bd. Local Impvts., 6 and 8 in. c.i. mains, to Allied Contractors, 80 East Jackson Blvd., Chicago, $41,950. Noted June 14.

Wis., West Allis—Dpt. P. Wks., 15,723 ft. 6- to 24-in. c.i. mains in Lincoln Ave.,

See proposal advertising on page 140

Constr. News page 15

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

to Kehrein Bros., Inc., 1026 23rd St., Milwaukee. Noted June 14.

N. D., Grand Forks—C. J. Evanson, city aud., extending 3,325 lin.ft. 12 in. c.i. mains, eight 12 in. gate valves, 5 hydrants, to W. J. Smith, Grand Forks, $14,833. Est. $16,343. Noted June 14.

Mo., St. Louis—Extend mains, own forces. $200,000. L. Day, City Hall, comr.

Wash., Seattle—Mains in 16th Ave. N. W. et al., to Argentier & Colarossi, 1819 Weller St., $66,676.

Calif., Holtville—For 4 to 10-in. c.i. mains, valves, fitting, fire hydrants, to Gateway Concrete Pipe & Products Co., Holtville, $25,630. Noted Apr. 5.

Sewers

Proposed Work

N. J., Englewood—Bd. City Council, City Hall, storm drainage system in Tenafly Rd. John St., Sheppard and Palisade Aves. $28,500. Address City Engineer.

N. J., Garfield (br. Passaic)—Bd. Freeholders Bergen Co., Court House, Hackensack, sewer in Golf Brook. $100,000. R. McClave, Court House, Hackensack, co. engr.

N. J., North Caldwell (mail Caldwell)—Bd. Freeholders Essex Co., Hall of Records Bldg., Newark, storm sewer. $35,000. J. Stickel, Hall of Record Bldg., Newark, co. engr.

N. J., West Orange—Bd. Town Comrs. 15 mi. sewers incl. 2 pumping stations, 4th Ward Sect., Eagle Rock Ave., and Northfield Rd. $600,000. A. Potter, 50 Church St., New York, consult. engr.

Pa., Reading—City retained Remington & Vosbury, engrs., 509 Cooper St., Camden, N. J., to prepare plans sewage disposal plant. $50,000. E. C. Weber, city engr.

O., Minerva—Sanitary sewers in Sect. A, B, and C, $44,872. McClaskey & Reese, Renkert Bldg., Canton, engrs.

Mich., Fordson—For ½ mi. 60 in. monolithic concrete sewer in Mulkey Ave. $70,000. Hubbelll, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Columbia—Soon takes bids sewerage system, incl. disposal plant, sanitary sewers, laterals. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted Sept. 1.

Calif., Los Angeles — El Sereno Storm Drain. $200,000. L. W. Armstrong, city storm drain engr.

Calif., Los Angeles — Sepulveda Blvd. Storm Drain, 3 mi. long, 8 ft. diam., 8½ x 8½ ft. rein.-con. pipe. $245,000. G. F. Lee, City Hall, engr.

Calif., Oakland—Storm drain in Grand Ave., $126,666; storm sewers in Elmhurst St., $150,000. G. N. Randle, city engr.

Bids Desired

Mass., Boston—July 13 to 20 (according to sections), sewerage system in Boston Proper, Dorchester and Roxbury. $25,000. J. H. Sullivan, comr.

Conn., Norfolk — July 17, by Norfolk Sewer Dist., J. R. Carroll, sewage disposal works, incl. earthwork, concrete sewage tanks, screens, sand filters, connecting piping. To exceed $25,000. City-Wastes Disposal Co., 45 7th Ave., New York, engrs.

N. Y., Brooklyn — July 18, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Walsh Court, Troy, Highlawn and 20th Aves., Avenue O, West 6th, West 8th, East 7th, East 3rd, East 4th, West 4th and 64th Sts.

N. Y., Long Island City — July 16, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Aero Pl., Rockaway Blvd. North Side, Yellowstone, Van Wyck and Rockaway Blvds., Crocheron, 64th, 135th and 120th Aves., 2nd, 3rd, 4th, 5th, 6th, 7th, 58th, 171st (31st), 129th, 140th, 141st, 108th and 87th Sts.

N. Y., Marcy—July 25, by Dpt. Mental Hygeine, Albany, sewers, water lines, at Marcy Div, Utica State Hospital. L. M. Farrington, secy.; adv. E. N.-R. July 12.

N. Y., Thiells—July 25, by Dpt. Mental Hygiene, Albany, sewage disposal system, Letchworth Village, Rockland Co.; adv. E. N.-R. July 12.

Md., Baltimore—July 18, by Bd. Awards, sewers and storm drains in miscellaneous sewer districts in Storm Water Contr. 118. M. J. Ruark, Municipal Office Bldg., sewerage engr.

La., New Orleans—Sept. 6, by Sewerage & Water Bd., at office A. G. Moffat, secy., 526 Carondelet St., one 15,000 k.w. turbine, and pumps for drainage system. G. E. Earl, genl. supt.; adv. E. N.-R. July 12.

Mich., Detroit—July 18, by J. W. Reid, comr. P. Wks., 5,731 ft. 10 ft. to 5 ft. 3 in. cylinder, Rivard Sewer Sect. 4; 8,147 ft. 9 ft. 3 in. to 3 ft. 3 in. cylinder, Rivard Sewer Sect. 5; 2,623 ft. 10 ft. to 5 ft. 6 in. cylinder, Southfield Sewer Sect. 9; 2,728 ft. 10 ft. to 4 ft. 9 in. cylinder, Southfield Sewer Sect. 8; 2,824 ft. 6 ft. 3 in. cylinder, River Rouge Interceptor East, Sect. 3; 2,510 ft. 5 x 8 ft. fox section, River Rouge Interceptor East, Sect. 4; 3,299 ft. 10 ft. 6 in. to 13 ft. 9 in. cylinder, Bonaparte Sewer Sect. 1, East of Rouge River; 3,716 ft. 10 ft. 6 in. to 14 ft. cylinder, Plymouth Ave. Sewer Sect. 1, East of Rouge River. P. A. Fellows, city engr.

Wis., Milwaukee—July 14, by Dpt. P. Wks., R. E. Stoelting, comr., sewers in Row through Lot 9, Block 220, A. L. Kanes Sub-division from Oakland Ave. to Alley W, Stony Parkway, Morgan, St. Paul and 22nd Aves. $21,705.

Kan., Topeka—July 17, by E. M. Covell, city clk., City Hall, 1,350 ft. 36 in. outfall sewers, 4,760 ft. c.i. pipe, 2 brick superstructures, sewage disposal plant on East Side. C. A. Haskins, 822 Finance Bldg., Kansas City, engr.

Mo., St. Louis—July 31, by Bd. P. Serv., City Hall, Sect. 2 Southwestern Joint Sewer, 5,390 ft. 18 in. to 15 ft. rein.-con., horseshoe, brick, segmental block or vitr. clay pipe, $275,000; Sect. 3 same sewer, 18,200 ft. 12 in. to 9 ft. rein.-con. horseshoe brick, segmental block or vitr. clay pipe, $345,000. W. W. Horner, City Hall, engr.

Mo., St. Louis—Aug. 8, by Bd. P. Serv., 208 City Hall, 9,185 ft. 8- to 39-in. vitr. clay, brick, and segmental block sewers in Moline Creek Dist. 1, $40,000; 2,200 ft. 12-in. to 24-in. vitr. clay sewers in South Gravois Dist. 5, $9,000. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Soon takes bids rein.-con. lined open flood channel for River des Peres, 140 and 150 ft. bottom width, with sanitary sewers to connect existing sewers with new channel, Sect. H River Des Peres Project. $2,500,000. W. W. Horner, 300 City Hall, St. Louis, engr. Noted June 7.

Tex., San Antonio—See "Unclassified."

Contracts Awarded

N. Y., Buffalo—See "Unclassified."

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to L. Piali, 71 Ridge St., sewer in Wolcott Ave. $3,283, Burnside Ave. $359; to Welsh Bros. Contg. Co., 32 Queens St., Astoria, Mount St. $800, to Del Mel Constr. Co., 7624 15th Ave., Brooklyn, Rowan St. $6,713, Trotter Pl. $5,628, 39th Ave. $2,875; to A. W. Matarazzo, 1163 61st St., Brooklyn, 90th St. $2,676, 121st St. $4,871, Woodhaven Blvd., $7,368; to Catapano & Ambrosio, 1016 60th St., Brooklyn, Arlington Terrace, $3,103. Grand total $37,676. Noted June 28.

New Jersey—Municipalities of Bloomfield, Glen Ridge and Montclair, Boro Hall, Glen Ridge, constructing Joint Third River Sewer Contr. 1, to Romano & Saggese, 181 Glen Ridge Ave., Montclair, $115,000. Noted July 4.

N. J., Jersey City—Reconstructing sewer, repaving Jersey Ave. from 14th St. to Hoboken Ave., to New Jersey Asphalt & Paving Co., foot Jersey Ave., $76,600. Noted July 5.

N. J., Jersey City — Sewer in Central Ave., to S. Colacurcio, 9 Casper Court, $42,380.

N. J., Midland Park—See "Streets and Roads."

Pa., Kingston—C. H. Blochberger, secy. Boro Council, 224 Wyoming Ave., drainage system, to A. J. Sordoni, Forty Fort, $137,776. Noted May 31.

Maryland — State Roads Comn., Baltimore, reconstructing roadway on bridge, Contr. W-54, Washington Co., to T. A. Ward, 1824 North Carolina St., Baltimore, $21,773. Noted May 24.

La., Baton Rouge—Comn. Council, City Hall, 1 mi. 36 in. c.i. sewer along edge University Lake, to J. B. McCrary Co., Citizen & Savings Bank Bldg., Atlanta, Ga., $135,880. Noted May 21.

S. C., Columbia — See "Streets and Roads."

O., Euclid (br. Cleveland)—Curb connections Garden Rd., to Gould & Maybach, 16311 Saranac Rd., Cleveland, $2,967; Babbitt Rd., from L. S. Blvd. to St. Claire Ave., to Manson Co., Engineers Bldg., Cleveland, $28,962, Babbitt Rd. from Euclid to St. Clair Aves., to Cuyahoga Sewer Constr. Co., 3412 East 114th St., Cleveland, $9,812. Grand total $41,741.

Ill., Chicago—Bd. Local Impvts., City Hall, tile sewers with brick manholes in 100th Pl. and 102nd St., to Mancini & Ventrella; tile sewers with brick manholes and catch basins in East 95th St., South Artesian, South Campbell and South Maplewood Aves., to J. Tiritilli, 732 South Ashland Ave., in West 47th St., South LaCrosse, Lamon, Laporte, Levergne, Lawler, Leclaire and Leamington Aves., to E. Till, 5475 Hirsch St., in West 102nd and 117th Places, West 100th and 112th Sts., to L. Scully, 82 West Washington St., in Loomis St., to C. Fosno, 908 South Irving Ave., in Markham, Olympia and North Kildare Aves., to O. Scully, 7658 Laflin St., in South Lacrosse, Lamon, Leamington and Leclaire Aves., to A. Ranieri, 4901 Altgeld St. Noted June 14.

Wis., Milwaukee—Sewerage Comn., 508 Market St., Janesville Plank Rd. Intercepting Sewer, to G. R. Fehr, 1253-29th St., $80,373. Est. $95,000. Noted July 5.

Wis., Milwaukee—Metropolitan Sewerage Comn., R. Cramer, ch. engr., 508 Market St., sluice gates for sewage disposal plant, to Chapman Valve Mfg. Co., 650 West Lake Ave., Chicago, Ill. $5,280.

Tex., Houston—Storm sewers in Sampson St. from Navigation Blvd. to Walker Ave., to C. K. Horton, 2200 Clay St., $70,667. Est. $80,000.

Okla., Eldorado—W. E. Coke, city clk., sewerage system, disposal plant, Imhoff tank, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $54,910. Noted June 14.

Okla., Oklahoma City—Agnew Ave. Relief Storm Sewer, 5,600 ft. 60 in. concrete pipe, to A.A. Dobson, 824 1st. Natl. Bank Bldg., Lincoln, Neb., $58,471. Est. $70,000. Noted May 17.

Calif., Los Angeles — Vitr. sewers in Comstock and Rochester Ave. Sewer Dist., to J. Chutuk, Wilcox Bldg., $58,165. Noted May 17.

Calif., Pasadena—Sewers, concrete and c.i. sewers in Lamanda Park Dist., to M. Simunovich, 3305 West 66th St., Los Angeles, $268,110. Noted July 5.

Ont., Toronto—City Council, 8 in. and up vitr. tile sewer in Proudfoot Ave., to W. E. Taylor, 22 Falcon St., $2,585; Dinnick Crescent and 2 lanes, to J. Fornnica, 2147 Duffern St., $3,345; Sturgeon Ave., to L. P. Acri, 28 Grove St., $2,775, Yonge St. Sect. E-F, to Natl. Contg. Co., 9 Garnock Ave., $3,988; Front St., Greer Rd. and Latimer Ave., to T. C. Agnew, 350 Concord Ave., $12,349; Braemer and College View Aves., to P. Corradi, 19 Hocken Ave., $4,338, Roehampton and Elmsthorpe Aves., to Grant Contg. Co., 47 Wellington St. E., $6,247; Mona St. and Riverview Dr., to Ruscica Bros., 84 Woodycrest Ave., $12,253; Fleet St., to owners by day labor, $5,666. Grand total $53,546.

Waste Disposal

Bids Desired

Calif., San Pedro—July 18, by Harbor Comn., New City Hall, incinerator 25 ft. high, 11 ft. at base, 5 ft. diam., rein.-con. or brick with fire brick line lining, at Pier A. G. F. Nicholson, Pier A, engr.

Bridges

Proposed Work

N. Y., Buffalo—Bd. Supervs. Erie Co., County Bldg., 400 ft. concrete bridge over Eighteen Mile Creek, on Southwestern Blvd. G. C. Diehl, Ellicott Sq., engr.

N. C., Spencer—See "Railways under North Carolina."

Tenn., East Chattanooga (br. Chattanooga)—State Dpt. Hys. & P. Wks., Nashville, surveys bridge (probably concrete, steel) over Chickamauga Creek, Hamilton Co., near here. To exceed $25,000. H. F. Berry, hy. comr.

Mo., Hermann — Hermann Bridge Co. bridge over Missouri River.

Texas and Oklahoma—State Hy. Comn., Austin, Tex., concrete, timber bridge over Salt Fork of Red River between Wellington, Tex. and Altus, Okla. $50,000. W. A. French, Wellington, Tex., div. engr.

Okla., Weatherford—Preliminary plans 1 span 46 x 118 ft. rein.-con. bridge under Rock Island R.R. $40,000. H. J. Clark, Weatherford, engr.

Bids Desired

Mass., Boston—July 24, by Dpt. P. Wks., widening concrete, steel bridge over New York, New Haven & Hartford R.R. on Ashland St. $25,000. J. H. Sullivan, comr.

Mass., Chesterfield—July 17, by Dpt. P. Wks., State House, Boston, 550 ft. rein.-con. bridge, approaches, for Commonwealth of Massachusetts. W. F. Williams, comr.

New Jersey—July 23, by State Hy. Comn., Trenton, concrete, steel bridge to carry Route S26 (Revision 1927) across main line Pennsylvania R.R. near Adams Sta-

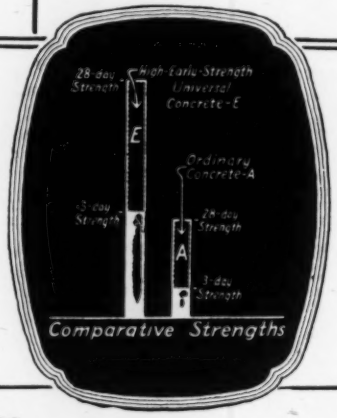
Constr. News page 16

Speed...
Was the Demand on These Jobs

this is how the demand was met

JOB	RESULT
A considerable amount of concreting remained to be done on the Ward Hotel, Aberdeen, S. D., when winter set in. Speed was essential to meet scheduled completion date.	S. W. Jonason & Co., contractors, quickly finished the remaining concrete and shortened the period during which protection from freezing was necessary by using *High-Early-Strength* Universal concrete. Work was then rushed on the interior and the job was completed on scheduled time.
The Wheeling Metal and Manufacturing Co., Glendale, W. Va., wanted a new floor for its factory but could not afford a long interruption of production.	*Less than* 3 *days* after the concrete was placed, the floor was in service and the factory's production resumed without long interruption, thru the use of *High-Early-Strength* Universal Concrete.
With government specifications calling for early occupancy of a postoffice building in River Forest, Ill., the contractor found himself pressed for time.	He rushed construction of the entire job by using *High-Early-Strength* Universal Concrete. Work was completed on time and penalties were avoided.
A new reservoir was badly needed in Boonville, Ind. The entire job had to be completed at an early date.	By using *High-Early-Strength* Universal Concrete, the contractor met the requirements. He was able to remove the forms more quickly, re-use them more often, and complete the work and have it in use at an unusually early date.

You can obtain similarly desirable results on *any* job where concrete is used with High - Early - Strength Universal Concrete. It has a 3-*day* strength equal to the 28-*day* strength of ordinary concrete.



Comparative Strengths

It is made by applying fully tested methods with the *usual* materials, *usual* labor, *usual* equipment, and *usual* Universal cement. This is fully described in leaflet furnished on request. Simply use the coupon below.

UNIVERSAL PORTLAND CEMENT CO.,
208 South La Salle Street, Chicago,

Without obligation, send me detailed information on methods for securing strong concrete in 3 days with the *usual* materials, *usual* equipment, *usual* labor, and *usual* Universal cement.

Name .....

Address E.N.R.-7-12-28

Bridges (Continued)

tion, Middlesex Co. A. L. Grover, ch. engr. adv. E. N.-R. July 12.

N. J., Kearny (sta. Arlington) — Bd. Council, Town Hall, revising plans, bids about Aug. 1, steel, concrete bridge, over Erie R.R. cut, on Chestnut St., $115,000. H. G. Kreiner, 790 Broad St., Newark, engr.

Maryland — July 17, by State Roads Comm., Baltimore, double span steel, concrete girder bridge over Catoctin Creek, Contr. F-116, Frederick Co. J. N. Mackall, chn.

South Carolina—July 24, by State Hy. Dpt., Columbia, **(S. P. means State Project)**, rein.-con. bridge Route 2, S. P. 699, Laurens Co.—on Route 21, S. P. 683, Chester Co.—on Route 215, S. P. 511-D, Richland and Fairfield Counties—extending rein.-con. bridge Route 24, Federal Aid Project 52-A and B, Saluda Co.—Route 215, S. P. 646-A, Fairfield Co. B. M. Sawyer, engr.

W. Va., Hinton—July 31, at office H. K. Nolan, city mgr., rein.-con., steel bridge over Chesapeake & Ohio Ry. J. E. Settle, Charleston, consult, engr.; adv. E. N.-R. July 12.

Kentucky—July 27, by State Hy. Dpt., Frankfort, 164 ft. steel span bridge, rein.-con. pier, abutments over Tygarts Creek, on Greenup Rd., S. P. 106-A and B, Greenup Co.—100 ft. steel span bridge with concrete floor over Licking River, on West Liberty Rd., S. P. 28-C-B, Magoffin Co.—100 ft. steel span with concrete floor over Licking River, on Salyersville Rd., S. P. 28-BB, Morgan Co.—three 150 ft. steel spans, rein.-con. piers, abutments over North Fork of Kentucky River and Louisville & Nashville R.R., on Hazard-Hyden Rd., S. P. 28-A-B, Perry Co.—two 50 ft. deck girders, 30 ft. skew, rein.-con. pier abutments over Otter Creek, S. P. 50-CB, Madison Co. J. S. Watkins, hy. engr.

Ohio—July 13, by H. J. Kirk, dir. Hys., Columbus, bridges in Brown, Hardin, Mahoning, Pike, Van Wert and Wyandot Counties. $41,497.

O., Akron—July 30, by Comrs. Summit Co., 1 span 35 ft. rein.-con. bridge with retaining wall along river bank on Case Ave.

Wisconsin—July 20, by State and Jackson Co. Hy. Comns., La Crosse, **(S.A.P. means State Aid Project, C.A.P., County Aid Project)**, constructing Polleys Bridge on S.A.P. 5094, Melrose-Irving Bridge, C.A.P. B-5563, Village of Melrose, Sims Bridge, C.A.P. B-5563; Scott Culvert, S.A.P. 5094; shale surfacing 2,600 cu.yd. North Bend-Melrose Rd., S.T.H. 54, S.A.P. 5094. T. M. Reynolds, div. engr.

Mo., St. Louis—July 31, by Bd. P. Serv., City Hall, earth embankment for approaches to Arsenal Street Viaduct over River Des Peres and St. Louis & San Francisco R.R., $89,700. L. R. Bowen, City Hall, engr. Noted Feb. 2.

Mo., St. Louis—July 31, by Bd. P. Serv., City Hall, 250 ft. rein.-con. viaduct over River Des Peres, on Alabama Ave. $105,800. L. R. Bowen, City Hall, engr. Noted July 5.

Bids Received

Rhode Island—Washington Bridge Comn., State House, Providence, July 5, Washington Bridge, approaches over Seekonk River between Providence and East Providence, from H. P. Converse Co., 161 Devonshire St., Boston, Mass., 2,836,296. Noted May 17.

Contracts Awarded

N. Y., Olean—Common Council, 2 span 160 ft. steel plate girder bridge over Olean Creek, on East State St., to T. C. Bayly, Troy, $97,459. Noted May 31.

N. J., Plainfield—Bd. Freeholders Union Co., bridge over Greenbrook, on Netherwood Rd., to A. E. Smith, 220 Park Ave., Plainfield, $18,944. Noted June 28.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete arch bridge Lucas Co., to Gluss Bros., Hamler, $70,122—40 ft. span beam concrete bridge, Portage Co., to H. A. Ackers, Ravenna, $8,794—drainage structures, Picking Co., to J. R. Board, Alexandria, $5,370. Grand total $84,286. Noted July 12.

Ohio—H. J. Kirk, dir. Hys., Columbus, 100 ft. span rein.-con. bridge, Huron Co., to W. A. Yeagle, Clyde, $34,802. Noted June 28.

O., St. Clairsville—Belmont Co., 4 bridges, on Sect. A Glencoe-Elmira Rd., to Luten Bridge Co., York, Pa., $37,070.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges on Route 95, Sect. 128-B, Fulton Co., to A. P. Munsen, 1185 4th Ave., Marion, Ia. $21,310—Sect. 128-C, same road, to A. C. Woods & Co., 1129 Harrison Ave., Rockford, $6,489—Boone Co., to G. C. Fairclo, Champaign, $34,120—Grundy Co., to T. and L. D. Libby Co., 354 Temple Court, Minneapolis, Minn., $15,805—Ogle Co., to F. Kaney, Forreston, $8,801—Carroll and Whiteside Counties, to A. Olson Constr. Co., Waterloo, Ia., $29,268 and $7,632 respectively—Fulton Co., to Pittsburgh-Des Moines Steel Co. Tuttle and South West 10th Sts., Des Moines, Ia., $15,724. Grand total $139,149. Noted Apr. 26 and May 30.

South Dakota—See "Streets and Roads."

Okla., Witcher—Oklahoma Co. (Oklahoma City), 4 span 88 ft. rein.-con., bridge, to R. Fisher, Britton, $28,651. Est. $30,000.

Montana—See "Streets and Roads."

Tex., Belleville—G. Gilchrist, state hy. engr., Austin, rein.-con. bridge on Hy. 36, Austin Co., to Davis-Pace Co., 1306½ Young St., Dallas, $76,272. Est. $90,000. Noted June 28.

Dams

Proposed Work

Calif., Montecito—See "Waterworks."

Railways

Proposed Work

North Carolina—Southern Ry., B. Herman, ch. engr., 1300 Penn Ave., Wash., D. C., extensive improvements, incl. new yard tracks, double width concrete, steel bridge over main tracks, new passenger station at foot bridge across the yards, large amount of grading, in Spencer.

Bids Desired

New York—July 25, by Dpt. Mental Hygiene, L. M. Farrington, secy., Albany, railroad tracks, coal trestles, at Hudson River State Hospital, Poughkeepsie. L. M. Farrington, secy.; adv. E. N.-R. July 12.

Missouri—See "Contracts Awarded."

Contracts Awarded

Georgia—See "Proposed Work of Unclassified under Lithonia, Ga."

Missouri—St. Louis Pub. Serv. Co., 39th St. and Park Ave., St. Louis, reconstruct double tracks on DeBalieviere St. between Pershing and Delmar Aves. $35,000, clear in front DeBalieviere car barn and construct new track $141,300, remodel south bay west car barn on DeBalieviere Ave. for repair shop and washhouse $73,000, brick and concrete office building $63,000, all in St. Louis, own forces. Private plans.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. Y., College Point (Ind. sta. Flushing)—A. Goldman, comr. Dpt. Plant & Structures, Municipal Bldg., New York, rejected bids June 15, dredging easterly Ferry Slip, Long Island Ferry Terminal. Noted June 21.

N. Y., New York—Dpt. Mental Hygiene, Albany, bids in August, retaining walls, approaches, driveways, tunnels, at Psychiatric Institute.

Ontario — Dpt. P. Wks., Parliament Bldgs., Ottawa, K. M. Cameron, ch. engr., soon takes bids dredging Blind River, Collingwood, Kingston, Lions Head and Sarnia, $89,000; repairing pier at Beaverton, Bronte, Grand Bend, Kingsville, Oakville, Pelee Island, Port Dover, Wheatley and Port Maitland, $98,000; reconstructing wharf at Bayville, Fitzroy, Kenora, Leamington, Michipicoten River, Morpets, Severn Bridge and Windsor, $17,900; improving, repairing harbor at Cobourg, Goderich, Hamilton, Kincardine, Owen Sound, Port Arthur, Port Burwell, Port Colborne, Port Hope, Port Stanley, Rondeau, Saugeen River and Saulte Ste Marie, $793,400; reconstructing breakwater at Bracebridge and Southampton, $7,800; revetment wall at Meaford, $10,000; general harbor and river improvement, $50,000.

Bids Desired

New Brunswick — July 13, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging in Campbellton, Chatham, Lorneville, Chippigan and St. Stephen. $86,300.

Ill., East St. Louis—July 31, by Park Bd. East St. Louis Park Dist., 929 Missouri Ave., dredging two 75 acre and one 300 acre lakes, connecting canals and lagoons in Big Lake Park. $250,000. Private plans.

Mo., St. Louis—See "Bridges."

Quebec—July 13, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging Berthierville, Charlemagne, Doucets Landing, Rivere St. Francois, St. Antoine de Tilly and Vaudreuil. $150,700.

Ontario—July 17, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging Bying Inlet, Goderich, Hamilton, Little Current, Owen Sound and Sarina. $450,000.

N. S., St. Francis Harbour—July 20, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., breakwater extension. $25,000.

Contracts Awarded

New York—T. F. Farrell, comr. Canals & Waterways, Albany, July 3, removing ruins at Banner Mill, clearing site at Ohio Basin, to Harwitz Bros., Iron & Metal Co., Inc., 267 Marilla St., Buffalo, $2,480; dredging Barge Canal Terminal, North Ferry St., to Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., Detroit, Mich., $28,350. Noted June 28.

Ind., Lafayette — Tippecanoe Co., McFarland Ditch in Shelby Twp., to R. P. Eckhart, San Pierre, $47,869.

Mo., Clayton—W. Stoecker, ch. engr. St. Louis Co. D. D. 2-A, Memorial Park Bldg., Webster Groves, straightening, widening, deepening Cold Water and Fontaine Creeks to Pioneer Constr. Co., 270 Glover Bldg., Kansas City, $119,016. Noted July 5.

Wash., Yakima—Selah-Moxee Canal Co., Yakima, 9,600 ft. 7 x 7.5 ft. tunnel (driven through basaltic rock) to Selah-Moxee Canal, to Rumsey & Jordan, Seattle, $149,000.

Streets and Roads

Bids Desired

Massachusetts—July 17, by Dpt. P. Wks., State House, Boston, bituminous macadam paving 42,995 ft. hy. in Brimfield, Monson, Mattapoisett, Milton, Lynnfield, Medfield and Framingham—bituminous macadam or concrete paving 4,850 ft. Chicopee—gravel, bituminous macadam paving 3,400 ft. Millis — broken stone, bituminous macadam paving 3,375 ft. Newbury—rein.-con. paving 3,510 ft. Palmer and Norwood. W. F. Williams, comr.

Mass., Boston—July 19, by Dpt. P. Wks., recut granite block paving Hanover St. $30,000. J. H. Sullivan, comr.

Mass., Cambridge (br. Boston)—July 16, by Street Dpt., rein.-con. paving. $25,000 or more. W. R. McMeminen, City Hall, supt. streets.

Conn., New Haven — Taking bids bituminous macadam paving, Lloyd Pierpont, Hillhouse and Townsend Sts. To exceed $25,000. E. Nettleton, City Hall, engr.

N. Y., Buffalo—July 17, by Bd. Supervs. Erie Co., County Hall, asphalt block paving 0.5 mi. Delaware Ave. C.A.T.H. 178; heavy foundation paving 2.01 mi. Taylor Rd. C.A.T.H. 117. G. C. Diehl, Ellicott Sq., engr.

N. J., Elizabeth—July 17, by Bd. Freeholders Union Co., Court House, curbing, sidewalks, 3 in. sheet asphalt paving Stuyvesant Ave., Union Twp. $125,000. J. L. Bauer, Court House, Elizabeth, co. engr.

N. J., Hackensack—July 16, by Hackensack Impvt. Com., Municipal Bldg., grading, curbing, 3 in. asphalt on 6 in. concrete paving Main St. from Spring Valley Ave. to northerly city line. $85,000. F. Campbell, city engr.

N. J., Hackensack—July 16, by Hackensack Impvt. Com., Municipal Bldg., grading, curbing, sidewalks, 6 in. bituminous macadam paving Lookout Ave. $25,000. F. Campbell, city engr. Noted May 24.

N. J., Irvington (br. Newark)—July 17, by Bd. Town Comrs., Town Hall, Essex Co., granite or bluestone curbing, concrete paving 2,833 sq.yd. Chapman St., Paine Ave., Clements and McGotty Places. $25,000. I. J. Casey, Jr., Town Hall, engr.

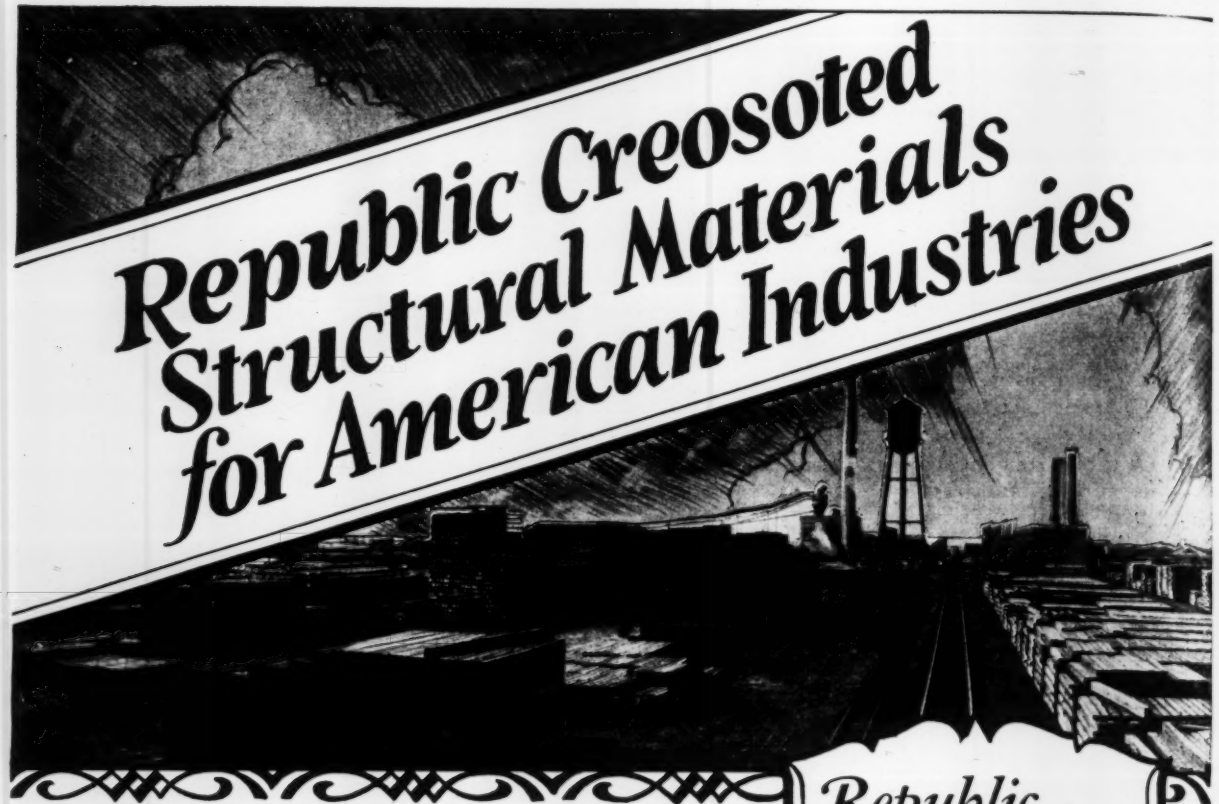
N. J., Maplewood (br. South Orange) — July 17, by Twp. Comn., Municipal Bldg., curbing, sidewalks, 3 in. asphalt on 6 in. concrete or 9 in. rein.-con., paving 15,400 sq.yd. Baker St. $100,000. E. R. Halsey, 79 Academy St., Newark, twp. engr.

N. J., North Bergen (br. Weehawken)—July 26, by Twp. Com., Twp. Hall, sheet asphalt on concrete paving. $71,758. R. B. Glenn, twp. engr.

N. J., North Bergen (Ind. br. Weehawken)—July 26, by Twp. Comn., City Hall, bluestone curbing, sidewalks, sheet asphalt or reclipped block on concrete pav-

Constr. News page 17

Republic Creosoted Structural Materials for American Industries



Backed By

Republic Resources

Republic Experience

Republic Reputation

Republic Creosoted

Wood Block
Flooring
Timber
Railroad Ties
Poles
Piling

Also Producers of Reilly's Improved Creosote Oil which is Real Creosote Oil

Republic Creosoting Co.

Home Office and Plant — Indianapolis, Indiana

OTHER PLANTS

ST. LOUIS PARK, MINNESOTA
SEATTLE, WASHINGTON
MOBILE, ALABAMA
SALT LAKE CITY, UTAH
NORFOLK, VIRGINIA

Streets and Roads (Continued)

ing Lussen Pl. from Bergenwood Rd. to Hudson Blvd. R. B. Glenn, twp. engr. Noted June 28.

N. J., Red Bank—July 18, by Bd. Freeholders Monmouth Co. (Freehold), rein.-con. paving 34,659 sq.yd. Red Bank-Homedell Rd. G. K. Allen, 60 Broad St., engr.

N. J., Somerville—July 24, by Bd. Freeholders Somerset Co., alternate types paving 26,046 sq.yd. Davidson Bridge-Basking Ridge Rd. O. Smith, Jr., Court House, co. engr.; adv. E. N.-R. July 12.

N. J., Trenton—July 13, by J. E. English, city engr., sheet asphalt on granite block paving Bushler, Dexter, Gardner, George, Homan, Miller, Nassau, Phillips, Power, Perry, Steamboat and 3rd Sts. $300,000. Noted June 7.

Pennsylvania—July 26 and 27, by State Hy. Comn., Harrisburg, grading, rein.-con., macadam paving 65 mi. 28 projects in Armstrong, Beaver, Berks, Bradford, Chester, Elk, Erie, Franklin, Indiana, Jefferson, Lancaster, Leebanon, Lycoming, McKean, Mifflin, Montgomery, Perry, Somerset, Susquehanna, Washington, Wayne and Westmoreland Counties. J. L. Stuart, secy. hys.; adv. E. N.-R. July 12.

Virginia—July 26, by State Hy. Comn., Richmond, concrete paving 7.8 mi. Project F221D; adv. E. N.-R. July 12.

South Carolina — July 24, by State Hy. Dpt., Columbia, **(S.P. means State Project and F.A.P. Federal Aid Project)**, concrete paving 6.8 mi. Route 81, 668-A, Anderson Co.—5 mi. Route 25, F.A.P. 245-B, Sect. 1, Greenville Co.—2 mi. Route 17, F.A.P. 80 and 177, reopened, Contr. 2, Williams Co.—Asphaltic paving 5 mi. Route 9, S.P. 654-A, Dillon Co.—5 mi. Route 9, F.A.P. 50-B, Contr. 2, Dillon Co.—topsoiling 4 mi. Route 5, F.A.P. 71-C, Chester Co.—sand clay surfacing 1.7 mi. Route 215, S.P. 694, Lexington Co. B. M. Sawyer, engr.

Florida—July 31, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee, grading, Florida lime rock paving 15.22 mi. Rd. 2, Project 687-B and 1.87 mi. Rd. 10, Project 530, Lake Co.—8.57 mi. Rd. 5-A, Project 719 and 12 mi. Rd. 50, Project 764, Suwannee Co.—17.98 mi. Rd. 10, Project 56, Leon Co.—grading 11.08 mi. Rd. 10, Project 802-C, Okaloosa Co. J. L. Cresap, state hy. engr.

Ala., Sheffield—July 17, by City Comn., grading, curbing, guttering, sewers, alternate types paving 33,500 sq.yd. $100,000. R. A. Chapman, Sheffield, engr.

Miss., McComb—July 17, by B. E. Butler, city clk., curbing, guttering, sewers, brick, vibrolithic concrete, sheet asphalt paving 47,750 sq.yd. H. A. Mentz, Hammond, La., engr.

Kentucky—July 19, by State Hy. Dpt., Frankfort, bituminous surface treating 10.42 mi. Taylorsville-Louisville Rd., 16 ft., S. P. 18-B, Spencer Co.—2.65 mi. New Castle-Carrollton Rd., 18 ft., S. P. 46-A-2; and 4.64 mi. New Castle-Eminence Rd., S. P. 46-C, 16 ft., Henry Co.—6 mi. Newport-Alexandria Rd., 17 ft., S. P. 21-A, Campbell Co.—7.5 mi. Falmouth-Alexandria Rd., 15 ft., S. P. 21-C, and 6.4 mi. Falmouth-Cynthiana Rd., 16 ft., S. P. 21-B, 1 mi. Covington-Falmouth Rd., 15 ft., S. P. 62-C, all Pendleton Co.—9.6 mi. Cynthiana-Falmouth Rd., 16 ft., S. P. 21-E, Harrison Co.—16 mi. Maysville-Lexington Rd., 15 and 17 ft., S. P. 20-L, Mason Co.—2.7 mi. Paris-Maysville Rd., 18 ft., S. P. 20-I, 0.5 mi. Paris-Lexington Rd., 32 ft., S. P. 20-H, 7 mi. Paris-Cynthiana Rd., 14 ft., S. P. 21-G, 12 mi. Paris-Mt. Sterling Rd., 15 ft., S. P. 32-A, all Bourbon Co.—5.8 mi. Georgetown-Williamstown Rd., 16 ft., S. P. 5-P, Scott Co.—8.2 mi. Versailles-Frankfort Rd., 18 ft., S. P. 26-B, Woodford Co.—7.6 mi. Lexington-Paris Rd., 18 ft., S. P. 20-G, 4.8 mi. Lexington-Nicholasville Rd., 18 ft., S. P. 23-A, 2.5 mi. Lexington-Harrodsburg Rd., 18 ft., S. P. 47-G, 4.42 mi. Lexington-Richmond Rd., 20 ft., S. P. 5-I, all Fayette Co.—12.76 mi. Winchester-Stanton Rd., 18 ft., S. P. 4-A, and 6.3 mi. Winchester-Paris Rd., 16 ft., S. P. 50-C, Clark Co.—3 mi. Richmond-Lexington Rd., 18 ft., S. P. 5-J-L, Madison Co.—3.1 mi. Nicholasville-Russell Rd., 14 ft., S. P. 166-A, and 7.7 mi. Nicholasville-Lancaster Rd., 16 ft., S. P. 23-C, Jessamine Co.—4.2 mi. Danville-Stanford Rd., 16 ft., S. P. 22-E, 3.5 mi. Danville-Harrodsburg Rd., 16 ft., S. P. 22-D, and 5.18 mi. Danville-Lancaster Rd., 16 ft., S. P. 25-D, all Boyle Co.—2.58 mi. Danville-Lancaster Rd., 16 ft., S. P. 25-E, Garrard Co.—10.5 mi. Somerset-Stamford Rd., 14 ft., S. P. 22-H, Pulaski Co.—9.31 mi. London-Mt. Vernon Rd., 16 ft., S. P. 5-N-1, Laurel Co.—2.66 mi. Mt. Vernon-London Rd., 14 and 16 ft., S. P. 5-N., Rockcastle Co. W. S. Watkins, hy. engr.

Kentucky — July 27, by State Hy. Dpt., Frankfort, surfacing 2.2 mi. Scottsville-Tompkinsville Rd., S. P. 37-A-S, Allen Co.—9.7 mi. Wickliffe-LaCenter Rd., S. P. 8-B-S, Ballard Co.—5.3 mi. Florence-Warsaw Rd., F. A. 168-C-S, Boone Co.—13.9 mi. Bardwell-Lovelaceville Rd., S. P. 9A-S, Carlisle Co.—0.7 mi. Fulton-Tennessee State Rd., S. P. 203-A-S, Fulton Co.—19.4 mi. Louisa-Paintsville Rd., S. P. 6-B-S, Lawrence Co.—7.7 mi. Richmond-Winchester Rd., S. P. 50-C-S, Madison Co.—10.7 mi. Eggners Ferry-Benton Rd., S. P. 1-B-S, and 4.8 mi. same road, S. P. 1-A-S, Marshall Co.—7.4 mi. Paducah-Benton Rd., F. A. 163-B-S, McCracken Co.—12.3 mi. Hazard-Jackson Rd., S. P. 4-E-S, Perry Co.—grading 10.- mi. Cattlesburg-Louisa Rd., S. P. 178-A-G, Boyd Co.—4.1 mi. Grayson-Hutchins-Willard Rd., S. P. 43-A-G, Carter Co.—7.6 mi. Marion-Fords Ferry Rd., S. P. 10-D-G., Crittenden Co.—4.6 mi. Greenup-Fullerton Rd., S. P. 106-C-G, Greenup Co.—8.9 mi. Henderson-Corydon-Morganfield Rd., F. A. 51-C-G, Henderson Co.—7.2 mi. Richmond-McKee Rd., F. A. 129-D-G, Madison Co.—6.4 mi. Paducah-Mayfield Rd., F. A. 144-B-G, McCracken Co.—8.7 mi. Chavies-Buckhorn Rd., S. P. 109-A-G, Perry Co.—12.3 mi. Pikesville-Jenkins-Whitesburg R., F. A. 127-E-G, Pike Co.—4.1 mi. same road, F. A. 127-F-G, Letcher Co. J. S. Watkins, hy. engr.

Ohio—July 13, by H. J. Kirk, dir. Hys., Columbus, grading, brick, concrete, or waterbound macadam paving roads in Ashland, Brown, Champaign, Jefferson, Mahoning and Monroe Counties, $292,018; surface treating 121,414 mi. Butler, Clinton, Warren, Clark, Summit, Portage, Columbiana, Lake, Wood, Henry, Wyandot, Stark, and Trumbull Counties, $102,903.

O., Cincinnati—July 13, by C. O. Sherrill, city mgr., grading, concrete curbing, sidewalks, concrete repaving 6,600 sq.yd. Roe St. $30,560.

O., Garfield Heights (br. Cleveland)—July 23, by Village, vitr. brick, concrete paving McCracken Blvd., East 94th and 110th Sts. To exceed $25,000. R. C. Munz, Town Hall, engr.

O., Lisbon—July 16, by Comrs. Columbiana Co., 3 in. limestone surfacing 3 mi. Dungamon-Hanoverton Rd. $25,000. L. C. Kirk, Lisbon, engr.

O., University Heights (br. Cleveland)—July 16, by Village improving Pemberton, Dysart, Northwood, East Scarborough, Charney and Edgerton Rds., Washington and East Carroll Blvds. To exceed $75,000. F. A. Pease Eng. Co., Terminal Tower, Cleveland, engrs.

Ind., Crawfordsville—July 17, by Comrs. Montgomery Co., grading, concrete paving George W. Harshbarger Rd. P. Stump, Crawfordsville, aud.

Ind., Crown Point—July 23, by Comrs. Lake Co., grading, concrete paving George J. Eder et al. Rd., North Twp., $95,700; graveling John Weber et al. Rd., Winfield Twp., $11,000. W. E. Whitaker, Crown Point, aud.

Ind., Elkhart — July 20, by Bd. Wks., brick, asphalt or concrete paving Main St. $86,600. F. J. Anderson, Elkhart, engr.

Ind., Evansville — July 16, by Comrs. Vanderburgh Co., grading, concrete paving Pfeiffer Rd. $43,120. S. Bell, Evansville, aud.

Ind., Indianapolis—July 18, by Comrs. Marion Co., improving 12,660 ft. Holt Rd. $72,864. H. Dunn, Indianapolis, aud.

Ind., Richmond—July 19, by Bd. Wks., brick, asphalt or concrete paving South L St. $25,000. D. B. Davis, Richmond, engr.

Michigan — July 26, by H. C. Fleming, resident engr., Grand Rapids, widening concrete paving, 1.249 mi. MO59-12, C-1, 20 ft., Montcalm Co., for State Hy. Dpt., Lansing.

Michigan — Aug. 1, by R. A. Beers, resident engr., Kalamazoo, graveling 8.84 mi. MO8-8, C-1, 18 ft., Barry Co., for State Hy. Dpt., Lansing.

Michigan — Aug. 2, by R. W. Roberts, resident engr., Saginaw, concrete paving 8.659 mi. MO25-16, C-1 and MO44-21, C-1, 20 ft., Lapeer and Genesee Counties, for State Hy. Dpt., Lansing.

Ill., Chicago—July 17, at office Bd. Local Impvts., City Hall, 6 ft. cement sidewalks on one or both sides 85 streets, boulevards and avenues. M. J. Faherty, pres.

Wisconsin—See "Bridges."

Wisconsin — July 17, by State and Douglas Co. Hy. Comns., Div. Office 8, Telegram Bldg., Superior, graveling 10,726 cu.yd. Spooner-Superior Rd., Federal Aid Projects 377-B and E. H. F. Holmes, div. engr.

Wisconsin—July 19, State and Rock Hy. Comns., Court House, Janesville, grading 7.12 mi. Beloit-Evansville Rd., State Trunk Hy. 92, Project 1145. A. L. Hambrecht, div. engr.

Wis., Milwaukee — July 14, by Dpt. P. Wks., grading 7,338 cu.yd. Ohio Ave., $4,400; standard sheet asphalt paving 40,-937 cu.yd. Greenfield Ave., Market, Superior and Wells Sts., $126,460.

Ia., Keokuk—Bids about July 25, asphalt resurfacing 70,000 sq.yd. $175,000. C. J. Nelson, city engr.

Ia., Sidney—July 17, at office R. R. Armstrong, aud. Fremont Co., grading secondary road. R. H. Greenwood, Sidney, co. engr.; adv. E. N.-R. July 12.

Minn., St. Paul — July 17, by K. L. Fieseler, city purch. agc., paving 1 mi. Hamline Ave. between Randolph St. and Edgcumbe Rd. $40,000. J. W. Kelsey, city engr. Noted April 12.

Kan., Meade—July 30, by Clerk Meade Co., grading, culverts, concrete paving 11.052 mi. Federal Aid Project 406-A, 30 ft. H. L. Gilman, Meade, engr.

Kan., Oakley—July 17, by Logan Co., sand gravel surfacing 14.302 mi. 40S-3-K 538-B.

Kan., Oberlin—July 16, by Clerk Decatur Co., grading, bridging 8.59 mi. Project 533, 30 ft. T. H. Shannon, Court House, engr.

Kan., Russell Springs—July 17, by J. S. Huddleston, clk. Logan Co., Court House, sand, gravel surfacing 14.304 mi. Project 538-B, 30 ft. R. C. Kealing, Court House, engr.

Kan., St. John—July 31, by Clerk Stafford Co., grading, culverts, sand gravel surfacing 5.303 mi. Project 566, 30 ft. J. Starke, St. John, engr.

Kan., Wakeeney—July 19, by Clerk Trego Co., sand-gravel surfacing 14.496 mi. 40S-8, Federal Aid Project 382-C.

Neb., Crawford—July 16, by R. B. Wellington, city clk., grading, curbing, rein.-con. paving 26,800 yd. Paving Dist. 1, $70,000. Henningson Eng. Co., 326-30 Union State Bank, Omaha, engrs. Noted June 28.

Mo., St. Louis—See "Bridges."

Mo., St. Louis—July 31, by Bd. P. Serv., City Hall, asphalt paving 5,815 sq.yd. 23rd St. $38,200, 5,595 sq.yd. 22nd St. $35,133; warrenite bitulithic paving 2,665 sq.yd. Delmar Blvd., $8,400, 3,720 sq.yd. McCausland Ave. $16,880, 2,000 sq.yd. Terry St. $10,120, 1,935 sq.yd. Geyer St. $12,760, 1,505 sq.yd. Neosho St. $10,200. W. W. Horner, City Hall, engr.

Arkansas—July 18, by State Hy. Dept., Little Rock, grading 9 mi. Hy. 3, Sect. 15, Lee Co.—grading, drainage structures 10 mi. Hy. 65, Sect. 14, Jefferson Co.—minor drainage structures and 15 treated timber pile bent bridges, on 15.181 mi. Hy. 1, Sect. 14, Cross Co.—five 180 ft. arch span and 260 ft. deck girder span rein.-con. bridges, approaches on Hy. 7, Sect. 6, Garland Co. C. S. Christian, State House, engr.

Texas—July 16, by G. Gilchrist, state hy. engr., Austin, grading, drainage structures on 27.901 mi. hys. in De Witt, Throckmorton and Fayette Counties, $160,200—grading, concrete paving 10.028 mi. hy. in Harris Co., $288,000—concrete paving 9.83 mi. hy. Carson Co. $234,000.

Tex., McAllen—McAllen Development Co., c/o F. Crow., pres., Federal Reserve Bank, San Antonio, taking bids road work in McAllen Suburban Citrus Groves and McAllen Suburban Winter Vegetable Gardens. $45,-000. Private plans.

Tex., San Antonio—See "Unclassified."

Okla., Marshall—July 16 (extended date), by J. A. Cook, city clk., grading, concrete paving 13,110 sq.yd. Missouri, Kansas and Vine Sts. $42,176. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted June 28.

Colorado—July 17, by State Hy. Dept., Denver, grading, paving Hy. 7, Federal Aid Project 251-C, Boulder Co.—4.371 mi. Hy. 1, Federal Aid Project 277-C, Pueblo Co.—overhead railroad grade crossing, gravel approaches between Grand Junction and Palisade, Federal Aid Project 208-B, Mesa Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Colo., Denver—July 17, by Dept. Impvt. & Parks, grading, curbing, surfacing 33 blocks East Denver Impvt. Dist. 10, $131,798; asphalt paving 20 blocks South Capitol Hill Paving Dist. 15, $45,577. A. K. Vickery, City Hall, engr.

California—July 25, by State Hy. Comn., Sacramento, crushed gravel surfacing 6.3 mi. road between Butte City and East Boundary, Glenn Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., Alameda — City Council taking bids grading 1½ in. asphalt surfacing 128,-480 sq.ft. Webster St. (approach to Estuary Tube).

Contracts Awarded

New Hampshire—State Hy. Dpt., Concord, 3 in. bituminous macadam on 9 in. broken stone paving 1.882 mi. hy. in Greenland, to A. D. Bridges & Sons, Inc., Hazardville, Conn., $43,235 est. $60,000—one course 6 in. rein.-con. on 8 in. gravel paving 17,134 sq.yd. hy. in Auburn, to State Constr. Co., 42 Prospect St., Somerville, Mass., $51,666 est. $68,000—one

Constr. News page 17a

Streets and Roads (Continued)

course 6 in. rein.-con. on 6 in. gravel paving 47,454 sq.yd. by. in Concord and Hopkinton, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $131,703 est. $175,000. Grand total $226,604. Noted June 14 and 21.

Mass., Boston—City, Transit Dpt., paving, woven wire fence inclosed area at Fields Corner, Dorchester Rapid Transit, to J. A. Singarella Co., 110 High St., $18,560. Est. $25,000. Noted June 14.

R. I., South Kingston (mail Kingston)—Bituminous macadam paving by., to J. Barstow, Wakefield, $28,818.

Conn., Ansonia — Bituminous macadam paving streets, to C. W. Blakeslee & Son, 58 Waverly St., New Haven $20,932, and to D. V. Frione & Co., 105 Ward St., New Haven, $40,744. Est. to exceed $25,000.

Conn., New Haven—E. Nettelton, engr., City Hall, to Blakeslee & Son, 58 Waverly St., paving Church St. and Whitney Ave. $108,055, Artizan St. $1,955, Davenport Ave. $25,282, Alden Ave. $3,640, McKinley Ave. $24,100; to J. F. Daley, New Haven, Downing St. $5,610, Grafton St. $4,480, Pine St. $16,650; to Connecticut Natl. Pavements, Inc., 173 Orange St., Winthrop Ave. $13,335, Olive St. $24,300, Whalley Ave. $71,150, Clay St. $5,595. Grand total $472,528. Noted June 7.

N. Y., Albany—Bd. Contr. & Supply, repaving Columbia and improving Croswell Sts., to Sheehan Contg. Corp., 53 Chapel St., $18,520 and $14,279 respectively; Eileen St., to M. F. Dollard, Jr., Inc., 59 Van Woert St. $22,836, Dartmouth St. and sewer in Rose Court, to Campion Constr. Co., 21 Cuyler Ave., $7,078 and $1,660 respectively. Grand total $64,373. Noted June 28.

N. Y. Buffalo—Bd. Supervs. Erie Co., County Hall, heavy foundation paving 2.33 mi. Pontiac Rd. C.A.T.H. 176, to Town of Evans, Angola, $39,500. Noted June 28.

N. Y., Buffalo—Bd. Supervs. Erie Co., County Hall, heavy foundation paving Transit Rd. extension, to Meyer & Meyer Corp., 21 Transit Rd., Depew, $66,632; Center Line Rd. C.A.T.H. 175, to East Aurora Gravel & Excav. Co., East Aurora, $99,500.

N. Y., Purdy Station—McGolrick Realty Corp., 16 Court St., Brooklyn, crushed stone resurfacing 3 mi. roads at Purdy Lake, to Hitchcock & Vanderhof, 136 Flatbush Ave., Brooklyn.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, paving Oswego Blvd. and Vine St., to J. H. Gallup Co., Merchants Bank Bldg., $99,349 and $26,265 respectively, Erie Blvd. and Glenwood Ave., to Rago Bros., Union Bldg., $56,716 and $35,833 respectively, Boyden St., to Dale Eng. Co., 1066 North Geddes St., $28,607; resurfacing, widening Clinton St., to C. T. Hookway, Weiting Bldg., $32,889. Grand total $279,659. Noted June 21.

N. J., Califon—Bd. Freeholders Hunterdon Co., Flemington, improving 3 1/3 mi. road, to Thompson & Drum, Somerville, $70,804.

N. J., Jersey City—Bd. City Comrs., City Hall, sheet asphalt repaving Henderson St., to Lettiere & Bellezza Co., 40 Journal Sq., Jersey City, $168,542. Noted June 28.

N. J., Union—Bd. City Council, City Hall, sheet asphalt repaving Central Ave. from 21st to 32nd St., to Clinton Asphalt Co., 308 16th St., $86,883.

Pennsylvania—State Hy. Comn. Harrisburg, concrete paving 31,100 sq.yd. Dauphin Co., to Sherman & Rhodes, Weissport $113,249—29,000 sq. yd. Montgomery and Berks Counties, to Pottsville Constr. Co., Pottsville $135,230—11,670 sq.yd. Allegheny Co., to S. J. Jordano & Co., 1201 West Liberty St., Pittsburgh $59,528—14,500 sq. yd. McKean Co., to Allegheny Paving Co., 606 Commonwealth Bldg., Pittsburgh $58,057—9,400 sq.yd. Lehigh Co., to R. E. Neumeyer, Bethlehem $36,190—42,400 sq.yd. Westmoreland and Fayette Counties, to Gray Bros. Co., 817 Salt Springs Rd., Youngstown, O. $212,487—32,000 sq.yd. Lackawanna Co., to D. L. Dennis, Harrison Valley $166,896—12,100 sq.yd. Elk Co., to G. J. Weisner, St. Marys $54,720—10,300 sq.yd. Venango Co., to Russell Bros., 3835 Wickliffe Blvd., Youngstown, O. $53,295—grading, rein.-con. paving 9,983 ft. Bucks Co., to G. I. Thompson Co., Clearfield $63,950—bituminous treated surfacing 9,400 sq. yd. Indiana Co., to M. Bennett & Sons, Indiana $22,848. Grand total $976,450. Noted May 31.

Pa., Phila.—Dpt. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., existing granite block with mastic filler on concrete repaving 1,994 ft. Broad St., 69 ft., Contr. 194, to F. A. Canuso & Son, 804 South 12th St., $84,938. Noted June 21.

Maryland—State Roads Comn., Baltimore, concrete shoulders on 2 mi. Montgomery Co., to H. E. Bester, Hagerstown, $13,359—1.7 mi. Cecil Co., to G. A. Atkinson, Port Deposit, $12,524—1.7 mi. Anne Arundel Co., to I. Gudelsky, Overlea, $8,572—concrete paving 1 mi. Montgomery Co., and 1.38 mi. Howard Co., to M. J. Grove Lime Co., Lime Kiln, $23,545 and $26,412 respectively—1.02 mi. Dorchester Co., to P. D. Phillips & Bro., Salisbury, $27,343—1.2 mi. Wicomico Co., to W. W. Truitt, Lincoln City, $18,679—graveling 2.75 mi. St. Marys Co., to Southern Maryland Contg. Co., 12 East Lexington St., Baltimore, $22,787. Grand total $153,221. Noted June 14, 7 and May 24.

Maryland — State Roads Comn., Baltimore, concrete paving Contr. M-103, Montgomery Co., and 0.47 mi. Contr. P-83, Prince George Co., to Loomis Contg. Co., 3552 M St. N. W., Wash., D. C., $20,414 and $12,444 respectively—concrete shoulders on 0.34 mi. Contr. Wo-57, Worcester Co., to Hannemann-Burroughs Co., Salisbury, $2,342—4 mi. Contr. HO-56, Howard Co., to Thomas, Bennett & Hunter, Westminster, $85,270—concrete shoulders, penetration macadam resurfacing 1.08 mi. Contr. B-91, Baltimore Co., to Harry T. Campbell & Sons, Towson, $25,756. Grand total $146,226. Noted June 7 and 14.

Maryland — State Roads Comn., Baltimore, concrete shoulders, macadam resurfacing 1 mi. Contr. F-50-A Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $25,758—graveling 2 mi. Contr. P-82, Prince George Co., to E. R. P. Smith, Hyattsville, $14,338. Noted May 3 and June 7.

W. Va., Hinton—Paving main streets, to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., $77,158. Noted June 14.

La., Gretna — Bd. Alderman, grading, curbing, 2 in. warrenite bitulithic paving 11,420 sq.yd. Front St., to Southern Roads Co., Pioneer Bldg., Birmingham, Ala., $37,270. Noted June 21.

Ohio—H. J. Kirk, dir. Hys., Columbus, 2½ in. brick paving 3.309 mi. Fairfield Co., to F. H. Beckler, Athens, $210,787—3.368 mi. Pickaway Co., to W. H. Ringwald Co., Chillicothe, $145,746 — concrete paving 0.2481 mi. Jefferson Co., to W. L. Johnson Co., Hicksville, $10,297—2.548 mi. Knox Co., to Newell & Smith, Defiance, $79,435—3 in. brick paving 2.778 mi. Lucas Co., to A. W. Burns Co., Columbus, $318,063—driving steel piling around toe of abutment and constructing concrete wall Ross Co., to O. M. Junk, Chillicothe, $2,816. Grand total $157,144. Noted June 21.

Ohio—H. J. Kirk, dir. Hys., Columbus, macadam paving 3.266 mi. and 2.582 mi. Putnam Co., to C. E. Edington, Findlay, $73,520 and $60,341 respectively—3.043 mi. and 3.714 mi. Putnam Co., to D. C. Imgold, McComb, $68,309 and $87,803 respectively —concrete paving Sect. "Ottawa West" Van Nest-Ottawa Rd. and 0.44 mi. Putnam Co., to McKechnie-Pierce Co., Toledo, $5,484 and $15,239 respectively. Grand total $310,696. Noted June 28.

Indiana—J. D. Williams, dir. State Hy. Dpt., Indianapolis, concrete paving 10,431 mi. Jasper Co. and 782 mi. Starke and Laports Counties, to McAfee & Smith, Bluffton, $197,056 and $111,402 respectively—3.042 mi. Orange Co., to Sherrill-Blackwell Constr. Co., Bedford, $63,532. Grand total $371,990. Noted June 14.

Michigan—State Hy. Dpt., Lansing, sheet asphalt paving 12.07 mi. MO28-9, C-2, 20 ft., Grand Traverse Co., to State Constr. Division, Lansing, A. L. Burridge, Cadillac, supt., $221,877.

Illinois — State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving in McLean Co., to Cast Stone Constr. Co., Eau Claire, Wis., $120,341—Boone and Henry Counties, to Froemming Bros., 1326 Humboldt Ave., Milwaukee, Wis., $124,655—Marshall Co., to Cameron-Joyce, 17 South 8th St., Keokuk, Ia., $24,934—Washington Co., to W. F. Smith & Co., 25 West Ferguson Ave., Wood River, $127,545—Washington and Clinton Counties, to Stocker Gravel & Constr. Co., 508 Main St., Highland, $46,899—Iroquois Co., to Wabash Constr. Co., Vincennes, Ind., $68,160—Hancock Co., also grading in Hancock Co., to J. L. Wells & Co., Rock Island, $105,275 and $60,037 respectively — grading Fulton Co., to Feiner & Luick, St. Louis, Mo., $42,376—Wayne and White Counties, to M. Haase, St. Joseph, Mo., $79,323—Carroll Co., to Nelson, Mullen & Nelson, 355 Temple Court, Minneapolis, Minn., $103,812—Whiteside Co., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $62,105—Fulton Co., to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., $38,362. Grand total $1,003,724. Noted Apr. 26 and May 30.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, sewers, 7 in. concrete paving 1 alley, to P. J. O'Brien & Co., 4 North Cicero Ave., 1 alley, to John Dillon & Co., 2953 South Halsted St.; grading, curbing, guttering, asphalt on 6 in. concrete paving Blaine Pl., North Whipple St., North Nordica, North Oak Park, North Sacramento and North Spaulding Aves., to Barber Paving Co., West 103rd Pl., West 103rd and 101st Sts., Turner, South Maplewood, Oakley, and South Talman Aves., to Ajax Asphalt Paving Co., 133 West Washington St., Parnell Ave., and grading, sewers, curbing, 2 in. asphaltic concrete on pr[illegible] macadam repaving Ingleside Ave., to [illegible] Conway Co., 844 Rush St.; curbing, guttering, sewers, widening, 10 in. con[illegible] paving Kedzie and Jersey Aves., to J. A. Ross & Co., 4561 Armitage Ave., East 95th St., to Calumet Coal Co., 9022 Commercial Ave.; grading, curbing, guttering, sewers, 8 in. concrete paving South May St. to Hedges Constr. Co., 64 West Randolph St., Walden Parkway, to Farr Bros. Co., 356 West 111th St., West 64th, 65th and 66th Sts., South Knox, South Kilpatrick and South Keating Aves., to J. A. McGarry & Co., 4556 Patterson St.

Wis., Milwaukee—Comrs. Milwaukee Co., grading, concrete paving 8th and Cottrell Aves., to Kroening Constr. Co., 39th Ave. and Mitchell St., $51,498 and $11,764 respectively; Burleigh Rd., to A. E. Retzlaff, 868 Island Ave., $25,853; Hampton and Green Bay Rds., to Schwerm Bros., 56 Lee St., $44,593 and $19,882 respectively; Port Washington Rd., to McGucken & Vander Hyden Co., Commerce Bldg., $8,222. Grand total $161,822.

Ia., Dubuque—Dubuque Co., grading 3 mi. Bankston, Farley and Cascade Rds., to Hughes Constr. Co., 1134 31st St., Des Moines, $25,660.

Ia., Sioux City—Woodbury Co., graveling 11.67 mi. secondary roads, to M. Munson, Boone, and H. Miller, Hartley.

Mo., St. Louis—Bd. P. Serv., City Hall, to Perkinson Bros. Constr. Co., 3237 Carter Ave., rein.-con. paving 2,500 sq.yd. Chippewa St. between Grand and Bamberger Sts. $12,565 3,900 sq.yd. Chippewa St. between Gravois and Morganford Aves. $19,088, 1,900 sq.yd. Chippewa St. between Bamberger and Gravois Sts. $9,296; to Skrainka Constr. Co., Security Bldg., 4,260 sq.yd. Landsdowne St., $20,227; to M. L. Flinn Paving Co., 728 South Teresa Ave., asphalt paving 441 sq.yd. McKinley Plaza $24,048, asphaltic concrete paving 2,440 sq. yd. Genevieve St. $15,164, amiesite paving 13,510 sq.yd. Fyler Ave. $76,435, 6,435 sq. yd. Montgomery St. $42,113; to W. A. Riley, 110 North 7th St., rein.-con. paving 1,750 sq. yd. Leona St. $7,025; to Everman Contg. Co., 1216 South Grand Blvd., rein.-con. paving 1,700 sq.yd. Oregon St. $12,369; to Central Paving & Constr. Co., 417 North 7th St., warrentie bitulithic paving 2,680 sq. yd. Wren Ave. $17,815; to Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving 7,250 sq.yd. Euclid St. $1,585, and 8,880 sq.yd. Goodfellow St. $26,568. Grand total $284,248. Noted July 5.

Montana — State Hy. Comn., Helena **(F.A.P. means Federal Aid Project)**, grading 139,693 cu.yd. F.A.P. 184-C and D, Unit 1, Granite Co., to J. N. Brown & Son, Bozeman $56,618—108,581 cu.yd. F.A.P. 241-B, Beaverhead, Madison, and Silver Bow Counties, to O'Connor & Patrick, Dillon $49,172—72,448 cu.yd. F.A.P. 222-C, Gallatin Co., to H. & B. Constr. Co., Bozeman $49,249—188,502 cu.yd. F.A.P. 135-B, Rosebud and Custer Counties and crushed graveling 6,245 cu.yd. F.A.P. 26-A and B, Fergus Co., to J. M. Carter, Billings $50,610 and $26,379 respectively—8,817 cu.yd. F.A.P. 77-D, Jefferson and Broadwater Counties, to W. J. Doust, 406 Snidelle Blk., Spokane, Wash. $28,583—2 in. asphalt on 3 in. bituminous concrete paving 30,326 sq.yd. F.A.P. 180, Cascade Co., to S. Birch & Sons Constr. Co., Great Falls $66,220—bridges on F.A.P. 135-B, Rosebud and Custer Counties, to E. R. Hays, Bozeman $9,332—on F.A.P. 53-A, Yellowstone Co. to Yellowstone Constr. Co., Billings $4,782. Grand total $340,946.

Idaho—State Hy. Comn., Boise, **(F.A.P. means Federal Aid Project and S.P., State Project)**, grading 76,630 cu.yd. F.A.P. 129-B, Boise Co., to H. E. Cornell, Boise $60,429—27,900 cu.yd. F.A.P. 52-C, Jefferson Co., to W. H. Puckett Co., Boise $29,161—grading, crushed graveling 4,000 cu.yd. F.A.P. 28-B, Jerome Co., to D. Cavanaugh, Twin Falls $22,355—6,300 cu.yd. S.A.P. 118-A, to O. Nelson, Logan, Utah $22,668—25,100 cu.yd. F.A.P. 114-A, Madison Co., to W. Hoops, Twin Falls $56,658. Grand total $191,271.

Washington—State Hy. Comn., Olympia, crushed stone surfacing 2.77 mi. Project 164-B, Lewis Co., to Hammer, Keto, James & Brown, Chehalis $73,778—grading 2.53 mi. Project 167-C, Wahkiakum Co., to Myers & Gonlter, Yakima, $52,765.

Wash., Seattle—Bd. P. Wks., paving 39th Ave. N., to Moceri Bros., 924 23rd Ave., $130,014; 42nd Ave. S. W., to R. G. Stevenson, 1237 Northlake Ave., $98,923; and Campbell Pl. S. W., to Goetz & Brennan, Seaboard Bldg., $39,508. Grand total $268,445.

Constr. News page 18

Streets and Roads (Continued)

Ore., Portland—Asphalt on bituminous paving, East Bway. between Benton St. and center line Union Ave., to Kern & Kibbe, Portland, $126,945. Est. $164,532.

Calif., Los Angeles—Grading, curbing, concrete paving 7,551 ft. Peck Rd., to H. M. Baruch Corp., Lincoln Bldg., $71,389. Est. $90,187. Noted May 24.

Ont., Toronto—East York Twp., amiesite on concrete paving 20,000 sq.yd. Sammon and Pape Aves., to Ontario Amiesite Ltd., foot Spadina Ave., $104,688. Est. $100,000.

Ont., Toronto—East York Twp., asphalt on concrete paving 4 avenues, to Orr & Clark, 111 Alexandra Blvd., $11,947; Wolverleigh Blvd., Barrington and Chisholme Aves., to Kilmer & Barker, 10 Adelaide St. E., $23,325; Linsmore Crescent and Main St., to Ontario Amiesite, foot of Spadina Ave., $20,351. Grand total $55,623.

Ont., Toronto—York Twp., asphalt paving Dennis Ave., to Constructing & Paving Co., Confederation Life Bldg. $11,722, Fairbank Ave., and asphalt on concrete paving Rosethorn and Hanley Aves., to Godson Contg. Co., 203 Richmond St. W., $14,944 and $20,325 respectively; bitulithic paving Windley Ave., to Warren Bituminous Paving Co., 54 University Ave., $6,025. Grand total $53,016.

Public Bond Elections

Coming Bond Elections

Waterworks — Camden, Tenn., July 30, $37,000.

Waterworks—St. Clairsville, O., Nov. 6, $134,000.

Waterworks—Longview, Tex., $25,000.

Sewers—Camden, Tenn., July 30, $56,000.

Sewers—Longview, Tex., $45,000.

Incinerator—Waco, Tex., July 24, $30,000.

Paving—Appleton City, Mo., Aug. 1, $25,000.

Paving—Longview, Tex., $90,000.

Roads—Wirt County, W. Va., Reedy Dist., July 31, $37,000.

Roads — Baylor County, Tex., July 21, $275,000.

Roads — Hardin County, Tex., July 17, $1,900,000.

Hospital—Sedalia, Mo., Sept. 3, $200,000.

Bonds Voted

Water Softening Plant — Mangum, Okla., $50,000. E. W. Gantt, Oklahoma City, Engrs.

Sewers and Disposal Plant—Garber, Okla., $28,000. Long & Co., Oklahoma City, Engrs.

Sewage Disposal Plant—Jamestown, N. D., $120,000.

Flood Control Work—Santa Paula, Calif., $45,000.

Paving—Luling, Tex., $50,000.

Roads—Fall River, Mass., $450,000.

Roads—Live Oak County, Tex., $800,000.

Roads—Willacy County, Tex., $500,000.

High School—Woodward, Okla., $158,000.

Schools—Beverly Hills, Calif., $700,000.

Bonds Defeated

Paving—Coyle, Okla., $30,000.

Roads—Tillman County, Okla., $875,000.

School—Excelsior, Minn., $250,000.

Buildings—Commercial

Proposed Work

Mass., Fall River — HOTEL — Mohican Hotel Co., W. Durfee, 80 Main St., plans by J. M. Darling, North Main St., hotel, North Main and Central Sts. $1,000,000. Noted Feb. 16.

Mass., Marion — CLUB HOUSE, etc. — Devonshire Manor Sales Corp., 1 East 42nd St., New York, sketches by Warren & Wetmore, 16 East 47th St., New York, 5 story, limestone clubhouse, and golf course. Bids about Sept. 1, general contract clubhouse. Total $4,000,000. Noted May 10.

N. Y., Beacon — EMPLOYEES HOME, etc. — Dpt. Correction, Albany, bids in August, employees home, superintendents residence, and additions to Woman's Group; bids in November, rewiring, at Matteawan State Hospital.

N. Y., Brooklyn—APARTMENTS—Hyman Homes, Inc., 951-45th St., M. J. Alexander, pres., plans by M. Rothstein, 186 Joralemon St., seventeen 2 story, 68 x 70 ft., brick, timber, East 2nd St. and Avenue V. $240,000.

N. Y., Brooklyn—APARTMENT—Kemlog Realty Corp., 26 Court St., H. Joondeph, pres., plans by M. Rothstein, 186 Joralemon St., 4 story, 99 x 120 ft., brick, timber, Rockaway Parkway and Church Ave. $150,000.

N. Y., Brooklyn—APARTMENTS and GARAGES—Vintage Realty Corp., 2005 Stillwell Ave., C. H. Griel, pres., plans by J. Kallich, 26 Court St., twenty-six 2 story apartments and garages, 20 x 70 ft., West 13th St. and Avenue V. $300,000.

N. Y., Brooklyn—COURT HOUSE—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sketches by Collins & Collins, 19 West 44th St., New York, 7 story, brick, steel, stone, Smith and State Sts. $3,500,000.

N. Y., Brooklyn—GARAGE—Brooklyn Parking Terminal, Inc., 250 Park Ave., New York, plans by J. B. Peterkin, 285 Madison Ave., 6 story, 101 x 220 ft., concrete, brick, DeKalb and Navy Sts. $300,000.

N. Y., Brooklyn—STADIUM and STORE—Bedford Gardens, Inc., 913-45th St., M. Perlware, pres., plans by S. L. Malkind, 93 Court St., 4 story, 231 x 756 ft., brick, steel, Bedford Ave. and Beverly Rd. $750,000.

N. Y., Glens Falls—OFFICE—Glens Falls Insurance Co., E. W. West, pres., 191 Glen St., soon lets contract general contract 3 story, brick office building. $700,000. G. B. Post, 101 Park Ave., New York, archt.

N. Y., King Park — LABORATORY — Dpt. Mental Hygiene, Albany, bids in August, laboratory; changing heating system, Group 2, Wards 51 and 52, at Kings Park State Hospital.

N. Y., New York—HOSPITAL—Gotham Hospital, A. S. Boyce, chn. com., 475 5th Ave., sketches by G. Atterbury, 139 East 53rd St., 150 x 161 ft., brick, steel, 5-7 West 107th St. To exceed $1,000,000.

N. Y., New York — HOTEL — A. W. Smith, 127 Valentine Lane, Yonkers, plans by E. Roth, 1440 Bway., 15 story, 67 x 101 ft., brick, steel, 139 Washington Pl. $300,000.

N. Y., New York—STORE and OFFICE, etc.—Bway. Block Corp., W. Melville, pres., 14 West 45th St., postponed indefinitely construction 4 story, 20 x 108 ft., steel, 1651 Bway. $1,100,000. Schultz & Weaver, 17 East 49th St., archts. Noted Dec. 17.

N. Y., New York — THEATRE and STORE — Highbridge Realty Corp., 1540 Bway., and T. W. Lamb, archt., 644 8th Ave., bids early in September, 199 x 205 ft., brick, steel, 4140 Bway. $1,250,000. Noted April 12.

N. Y., Yonkers — OFFICE — Leeschest Building Co., 5 Getty Sq., J. Goldfob, pres., plans by Warren & Wetmore, 16 East 47th St., New York, 22 story, brick, steel office building. $1,000,000.

N. J., Atlantic City — THEATRE — Colonial Trust Co., 13th and Market Sts., Phila., Pa., plans by Hoffman-Henon Co., 16th and Chestnut Sts., Phila., Pa., theatre, 4,000 seating capacity, Boardwalk and Arkansas Ave. $4,000,000. Stanley Co. of America, Atlantic City, lessee.

N. J., Lake Hopatcong—SANITARIUM—Deborah Jewish Relief Society, M. L. Unger, chn., 24 Branford Pl., Newark, sketches by F. Grad, 1023 Broad St., Newark, 4 story, basement, brick, steel, plain found. $1,000,000.

Pa., Phila.—APARTMENT—Owner, c/o R. M. Dippy, archt., 1600 Walnut St., 20 story, basement, 110 x 120 ft., rein.-con., brick, steel, plain found., 19th and Pine Sts. $1,500,000.

Pa., Pittsburgh—HOSPITAL—Allegheny General Hospital, 110 Stockton Ave., H. L. Mason, Jr., pres., plans by York & Sawyer, 100 East 42nd St., New York, 15 story, brick, steel hospital, incl. small power plant, North Ave. and Porterfield St. $6,000,000. C. R. Place, 70 East 45th St., New York, engr.

D. C., Wash.—HOSPITAL—A. P. Clark, archt., 816 14th St. N. W., soon lets contract 8 story, 41 x 100 ft. addition, for Emergency Hospital, 1709 New York Ave. N. W.

N. C., Spencer—PASSENGER STATION —See "Railways under North Carolina."

Tenn., Nashville—BANK—Bank of Commerce & Trust Co., Bank of Commerce Bldg., T. O. Vinton, pres., plans by Hanker & Cairns, Court Square Bldg., 3 story, basement, 150 x 150 ft., concrete, steel, granite, 2nd and Monroe Sts. $1,000,000.

Ill., Chicago—AUTO SERVICE—R. B. Kurzon, archt., 105 West Monroe St., soon lets contract 2 story, basement, 140 x 202 ft. rein.-con., brick, Michigan Ave. and 26th St., for Syndicate, c/o architect. Noted June 7.

Ill., Chicago—HOSPITAL—Mercy Hospital, Prairie and Calumet Aves., plans by J. McCarthy, 139 North Clark St., 3 story, basement, 125 x 177 ft., brick addition, 2537 Prairie Ave.

Kan., Coffeyville—CITY HALL—Soon takes bids 2 story, basement, 118 x 130 ft., brick, stone city hall, C. A. Henderson, Coffeyville, Owen Sayler & Payson, Kansas City, Mo., consult. archts. $225,000 bonds sold. Noted May 10.

Mo., St. Louis—FRUIT EXCHANGE—R. E. Mohr, archt., 1765 Ry. Exch. Bldg., soon lets contract 1 story, 56 x 640 ft. and 82 x 140 ft. fruit exchange, rein.-con., brick, incl. two sidetracks, 75 car capacity, 2nd and Carr Sts., for Wabash Ry. Co., R. H. Howard, ch. engr., $850,000.

Mo., St. Louis — OFFICE — Arlington Investment Co., c/o Manske & Bartling, archts., 410 North Euclid Ave., 15 story, basement, 10 x 106 ft., rein.-con., brick, stone, steel, 14th and Olive Sts. $1,000,000.

Tex., San Angelo — DEPARTMENT STORE—B. Hemphill Co., San Angelo, bids after July 15, 5 story, basement, brick, rein.-con., plain found. $200,000. D. M. Morgan, San Angelo, archt. Noted May 3.

Calif., Los Angeles—OFFICE—Southern California Edison Co., 306 West 3rd St., plans by Allison & Allison, Hibernian Bldg., 12 story, basement, 175 x 175 ft., steel, rein.-con., Grand Ave. $2,000,000.

Calif., Los Angeles — STORE, OFFICE and LOFT—A. D. Van Vranken Co., 756 South Spring St., plans by Morgan, Walker & Clements, 1135 Van Nuys Bldg., 10 or more stories, 102 x 156 ft., rein.-con., steel, 12th St. and Grand Ave. $1,000,000.

Ont., Hamilton—HOTEL, GARAGE and BUS TERMINAL—Royal Hotel & Terminal Syndicate, c/o W. G. Brown, archt., 327 James St. S., 12-14 story, basement, 140 x 330 ft., rein.-con., brick, steel, plain found., Vine, Merrick and James Sts. $2,000,000.

Bids Desired

Mass., Newton (Ind. br. Boston) — STORE and OFFICE — Stuart-Marshall Realty Co., 280 Centre St., taking bids 2 story, basement, 100 x 125 ft., brick, stone, plain found., Newton Centre. $150,000. C. White, 199 Harvard Circle, Newtonville, archt. Noted May 24.

N. Y., Albany—THEATRE—T. W. Lamb, archt., 644 8th Ave., New York, bids about July 15, 3 story, brick, steel, 1030 Madison Ave., for Stanley Mark Strand Corp., 1579 Bway., M. L. Mark, genl. mgr. $400,000.

N. Y., Brooklyn—STORE and APARTMENT—See "Contracts Awarded."

N. Y., Harrison — APARTMENT — See "Contracts Awarded."

N. Y., New City—COURT HOUSE—July 17, by Bd. Supervs, Rockland Co., J. J. Brown, chn., 53 Lafayette Ave., Suffern, general contract court house, State St. $1,000,000. Dennison & Hirons, 40 East 49th St., New York, archts. Noted Apr. 19.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—HOTEL, STORE and RESTAURANT — Mathew Byrne Estate, 120 Bway., taking bids general contract altering 12 story, 75 x 150 ft., brick, steel, 539 5th Ave. $500,000. G. and E. Blum, 415 Lexington Ave., archts. Noted June 21.

N. Y., Rochester — HOTEL and RAMP GARAGE — J. Jorostow, 176 Meigs St., taking bids 7 story, basement, Cumberland St. $800,000. W. Aronwits, 311 Alexander St., engr.

N. J., Atlantic City—HOTEL—Rankin & Kellogg, archts., 1805 Walnut St., Phila., Pa., bids about Sept. 12, general contract 6 story, basement, brick, steel addition to Chalfonte-Haddon Hall Hotel, plain found., for Leeds & Lippincott Co., North Carolina and Beach Aves. $500,000.

N. J., Bayonne—CITY HALL—Bd. City Comrs., City Hall, bids about Aug. 1, 4 story, basement, brick, steel, plain found., Ave. C between 27th and 28th Sts. $250,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted Aug. 1.

N. J., Elizabeth — APARTMENT — See "Contracts Awarded."

N. J., Newark — APARTMENTS — See "Contracts Awarded."

N. J., Newark—HOTEL—A. Giacomelli, 139 Pennington St., bids about July 16, general contract 12 story, basement, brick, steel, rein.-con., plain found., Pennington St. $350,000. N. Harris, 20 Branford Pl., archt.

N. J., Newark — HOTEL — Majestic Holding Co., c/o W. E. Lehman, archt., 972 Broad St., taking bids 15 story, basement, 90 x 125 ft., rein.-con., brick, steel, plain found., Broad and Hill Sts. $2,000,000. Noted May 31.

N. J., Passaic — COMMERCIAL — See "Contracts Awarded."

N. J., Paterson—HALL of RECORDS and JAIL—Bd. Freeholders Passaic Co. bids about Aug. 1, general contract 8 story, basement, 175 x 200 ft., brick, steel, plain found., Grand and Spring Sts. $500,000. H. B. Crosby, 125 Ellison St., archt.

N. J., Ridgefield — APARTMENT — See "Contracts Awarded."

N. J., Scotch Plains — STORE and APARTMENT—See "Contracts Awarded."

N. J., Summit—STORE and OFFICE—July 16, by R. S. Shapter, archt., 23 Maple St., 5 story, basement, 90 x 100 ft., brick, steel, plain found., Beachwood Rd. and

Constr. News page 19

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Buildings—Commercial (Continued)

Springfield Ave., for Summit Development, c/o architect, $150,000. Noted June 28.

N. J., Trenton—OFFICE—July 25, by State House Comn., (2nd unit) 4 story, state office building. $500,000. J. O. Hunt & H. Kelly, 219 East Hanover St., archts.

N. J., Verona (Ind. br. Montclair) — SANITARIUM — Bd. Freeholders Essex Co., Fairview Ave., A. Ball, chn., bids about July 25, 3 story, basement, brick, steel, plain found. $2,000,000. Sutton, Sutton & Calkins, 402 Broad St., Newark, archts. Runyon & Carey, 31 Fulton St., Newark, engrs. Noted Feb. 2.

S. C., Charleston—BANK—Citizens & Southern Natl. Bank, A. E. Bird, pres., taking bids 60 x 90 ft., Indiana limstone, Broad and Church Sts. $150,000-$250,000. O. Otto, c/o owner, engr.

Ga., Atlanta—CITY HALL—July 23, by H. C. McCutcheon, chn., City Council, City Hall, 15 story, basement, 120 x 160 ft., concrete, brick, steel, Washington and Mitchell Sts. $1,250,000. G. Lloyd Preacher & Co., Wynne Claughton Bldg., archts.

La., Monroe—HOTEL—Aug. 1, by J. W. Smith & Associates, archts., Ouachita Bank Bldg., 7 story, mezzanine, 40 x 120 ft., rein.-con., brick, steel, De Siard and 5th Sts., for Harrison Building Corp. $300,000. Noted May 3.

Tenn., Memphis—OFFICE—July 16, by W. C. Hedrick, archt., 1005-1st. Natl. Bank Bldg., Ft. Worth, Tex., 29 story, 148 x 149 ft., rein.-con., brick, steel, terra cotta, 3rd and Madison Sts., for R. S. Sterling, et al., Post Dispatch Bldg., Houston, Tex. $2,500,000.

Ind., New Castle — INSTITUTION — State Building Comn., Indianapolis, taking bids and open same about Aug. 3, three womens buildings, brick, steel. $150,000. Follz-Osler & Thompson, Wild Bldg., Indianapolis, archts. Noted Nov. 25, 1926.

Ind., Vincennes—GARAGE and STORE—July 18, by Lenehan & Dunphy, 1 story, basement, 150 x 280 ft., rein.-con., brick, steel, stone, 5th and Vigo Sts. $150,000. J. B. Bayard, Vincennes, archt.

Ill., Chicago—APARTMENT—See "Contracts Awarded."

Minn., Minneapolis — HOSPITAL — July 17, by State Comn. Administration & Finance, 10 State Capitol Bldg., St. Paul, (3 units) 4 story, basement, rein.-con., brick, Bedford stone, State University. $800,000. C. H. Johnston, 360 Robert St., St. Paul, archt. Noted Aug. 11, 1927.

Minn., Minneapolis—July 17, by Minneapolis Y.W.C.A. C. C. Webber, chn. building com., 87 South 7th St., rein.-con., brick, 12th St. and Nicollet Ave. $600,000. Hewitt & Brown, 1200 2nd Ave. S., archts.

Tex., San Antonio — THEATRE — July 20, by Interstate Amusement Co., K. Hoblitzelle, pres., Preston Rd., superstructure and mechanical equipment Majestic Theatre, 12 story, 164 x 168 ft., brick, steel, concrete, stone, terra cotta, East Houston St. $2,250,000. J. Eberson, 212 East Superior St., Chicago, Ill., archt. Noted May 10.

Tex., Quitaque—July 23, by Mayor, waterworks improvements, incl. pump house, machinery, 50,000 gal. tank, 100 ft. tower, 50,000 gal. reservoir, 31,910 ft. 2- to 8-in. c.i. pipe. Montgomery & Ward, Wichita Falls, engrs.

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

Ont., Hamilton—HOME—W. J. Walsh, archt., Terminal Bldg., taking bids 2 story, basement, rein.-con., brick, steel addition, plain found., John St. N., for City. $150,000.

Ont., Ottawa — THEATRE — Famous Players Corp.of Canada, Montreal, Que., taking bids general contract rein.-con., brick, steel, Queen St. $1,250,000. T. W. Lamb, 644 8th Ave., New York, archt. C. Helm, Bank St. Chambers, 102 Bank St., Ottawa, resident archt. Noted Mar. 29.

Contracts Awarded

Vt., Northfield — ARMORY — Norwich University, Norwich, 3 story, 100 x 250 ft., brick, steel, plain found., Main and Parade Sts., to A. B. Lane, Barre. Est. $150,000 or more.

Mass., Boston — HOSPITAL — Boston Lying-in Hospital, L. Bachelder, chn. building com., 431 Massachusetts Ave., 5 story, basement, 40 x 200 ft., and 45 x 150 ft., brick, steel, stone, rein.-con. addition, plain found., 221 Longwood Ave., to Stone & Webster Inc., 49 Federal St. Est. $1,000,000. Noted Feb. 2.

Mass., Fitchburg—THEATRE—Kenmore Realty Co., B. Rockman, 41 Nobscot Rd., Newton, brick, concrete, steel, stone, to P. Rich & Son 60 Scollay Sq., Boston. Est. $350,000. Noted Apr. 5.

N. Y., Brooklyn—STORE and APARTMENT—C. Coppelami Constr. Co., 86 Van Sicklen St., 6 story, 138 x 192 ft., brick, timber, 4th Ave. and 92nd St., separate contracts. $600,000. Seelig & Finkelstein, 66 Court St., archts.

N. Y., Buffalo—EXCHANGE—New York Telephone Co., State St., Albany, 12 story, rein.-con., brick, steel plain found., Church St., to J. W. Cooper, Fidelity Bldg. Est. $1,500,000. Noted Nov. 4.

N. Y., Glens Falls — HOTEL — Glens Falls Hotel Corp., c/o J. G. White Eng. Corp., archts., 43 Exchange Pl., New York. Hotel Queensbury addition, to Rhinelander Constr. Co., Glens Falls. Est. $190,000. Noted June 28.

N. Y., Harrison—APARTMENT—Purdy Gibbons Corp., c/o Ellis Aaronson & Heindrick, archts., 25 West 43rd St., New York, apartment, Purdy and Soulard Sts., separate contracts. $150,000.

N. Y., New York — APARTMENT — Audray Holding Corp., H. Kraft, pres., 345 Madison Ave., 16 story, 72 x 82 ft., brick, steel, 20 West 86th St., separate contracts. $800,000. J. M. Felson, 250 West 57th St., archt. Noted June 14.

N. Y., New York—APARTMENT—Colmed Realty Co., 475 5th Ave., S. Silk, pres., 12 story, 120 x 158 ft., brick, steel, 617 West 168th St., separate contracts. $1,000,000. Owner takes bids in August. R. H. Segal, 475 5th Ave., archt. Noted June 21.

N. Y., New York—APARTMENT—Six Twenty-Three Park Ave. Corp., R. O. Brown, pres., 111 East 65th St., 16 story, 80 x 120 ft., brick, steel, 623 Park Ave., to Starrett Bros., Inc., 101 Park Ave. Est. $600,000.

N. Y., New York—BANK and OFFICE—Central Union Trust Co., 80 Bway., G. W. Davidson, vice-pres., altering 18 story, bank and office building, to Marc Eidlitz & Son, 41 East 42nd St. Est. $750,000. Noted June 21.

N. Y., New York—GARAGE—Eighteen Twenty-Eight 1st Ave. Corp., 220 West 42nd St., W. Kessler, pres., 2 story, brick, steel, 95th St. and 1st Ave., to Atline Co. Inc., 55 West 42nd St. Est. $150,000.

N. Y., New York — HOTEL — Greeley Square Hotel Co., F. A. Duggan, McAlpine Hotel, interior alterations McAlpin Hotel, 34th St. and Bway., to Thompson Starrett Co., 250 Park Ave. Est. $2,000,000. Noted June 21.

N. Y., St. George—THEATRE—Statisle Realty Co., 56 Bay St., Stapleton, theatre, Hyatt St., to M. Shapiro & Sons, 1560 Bway, New York. Est. $650,000.

N. J., Elizabeth — APARTMENT — Kowalsky & Gold, 541 Linden Ave., plans by W. L. Finne, 91 Broad St., 3 story, 55 x 110 ft., brick, plain found., Newcomb and Vine Sts., separate contracts. $150,000. Noted July 5.

N. Y., Lynbrook — THEATER — Owner, c/o W. B. Wills & Sons, archts., 852 Monroe St., Brooklyn, 3 story, brick, steel, Sunrise Hy., to McAndrew Constr. Corp., 1457 Bway., New York. Est. $1,000,000.

N. J., Newark—APARTMENT—Fidelity Building Corp., 24 Commerce St., 4 story, basement, 50 x 100 ft., brick, structural steel, plain found. Lyons Ave., separate contracts. $150,000. N. Norelli, 786 Broad St., archt.

N. J., Newark—APARTMENT—H. Lilien, 234 Highland Ave., plans by Lilien & Lilien, 155 West 72nd St., New York, 6 story, basement, 50 x 150 ft., brick, steel, plain found., 532-4 Clinton Ave., separate contracts. $200,000. Noted July 5.

N. J., Newark—APARTMENTS—Miller & Johnson c/o N. Norelli, archt., 786 Broad St., two 4 story, basement, 80 x 85 ft., brick, steel, plain found., Highland Ave., separate contracts. $175,000.

N. J., Passaic—COMMERCIAL—M. E. Lindenstruth, c/o B. Bellay, archt., 625 Main Ave., 3 story, basement, 50 x 100 ft., brick, steel, plain found., 267-69 Passaic St., separate contracts. $150,000. Noted July 5.

N. J., Ridgefield — APARTMENT — E. Light, 456 Broad Ave., Palisades Park, 4 story, basement, 50 x 100 ft., brick, steel, plain found., separate contracts. $150,000. Lucht & Anderson, 432 Palisades Ave., Cliffside, archts. Noted July 5.

N. J., Scotch Plains — STORE and APARTMENT — Mobile Constr. Co., 9 Clinton St., Newark, 2 story, basement, 65 x 160 ft., brick, steel, plain found., separate contracts. $150,000. C. C. Bell, 17 Union Ave., Cranford, archt. Noted July 5.

N. J., Somerville—CLUB and STORAGE—P. C. Van Nuys, archt., 1 West Main St., general contract 3 story, basement 70 x 150 ft., brick, steel, plain found., 149 West Main St., to Macchi & Co., West Main St., for Raritan Valley Aerie 2013 Fraternal Order of Eagles. $150,000. Noted July 4.

N. J., Summit — HOTEL—J. W. Hatt, Inc., 123 Plant St., Newark, general contract 4 story, basement, 45 x 200 ft., brick, stone, steel, plain found., to M. Byrnes Building Co., 430 Westfield Ave., Elizabeth. Est. $400,000. Noted June 28.

N. J., Trenton — HOTEL — Owner, c/o W. Hankin, archt., 224 East Hanover St., general contract 8 story, basement, brick, steel addition, plain found., to Longacre Eng. & Constr. Co., 345 Madison Ave., New York. $150,000.

N. J., Ventnor (br. Atlantic City) — APARTMENT — C. J. McIlvaine, Otis Bldg., Phila., Pa., 10 story, basement, 63 x 106 ft., rein.-con., brick, steel, plain found., Oxford Ave. and Boardwalk, to Gill Constr. Co., City Centre Bldg., Phila., Pa. Noted June 14.

Pa., Phila. — APARTMENT HOTEL — Green Hill Farms Hotel Co., City Line and Lancaster Ave., 8 story, basement, 81 x 162 ft., rein.-con., brick, steel addition, plain found., to D. A. McClelland, Drexel Bldg. Est. $500,000. Noted Mar. 1.

Pa., Phila.—APARTMENT—R. J. McDonnell, Merion, 8 story, basement, 50 x 138 ft., rein.-con., brick, steel, plain found., 6950 Overbrook Rd., to B. F. Coward, 1835 Market St. Est. $450,000.

Pa., Phila. — OFFICE — Bell Telephone Co., 176 and Arch Sts., 3 story, basement, 62 x 127 ft. central office addition, Lancaster and Media Sts., to J. N. Gill Co., City Center Bldg. Est. $200,000.

Md., Baltimore—BANK and OFFICE—Taylor & Fisher, archts., Union Trust Bldg., and Smith & May, archts., Calvert Bldg., 32 story, basement, 111 x 194 ft., brick, steel, limestone, to J. Henry Miller, Inc., Eutaw and Franklin Sts., for Baltimore Trust Co., D. Symington, pres., 25 East Baltimore St. $3,000,000. Noted June 21.

Miss., Jackson — HOTEL — N. M. Overstreet, archt., Mississippi Fire Insurance Bldg., general contract 8 story, basement, rein.-con., brick, steel, terra cotta, East Capitol St., to Seaboard & Southern Constr. Co., Atlanta, Ga., for N. L. Carpenter, Natchez, and H. A. Wilson, Greenwood. $375,000. A. H. Alvis, c/o Heidelberg Hotel, lessee.

Tenn., Memphis — APARTMENT — Real Estate Trust Co., Citizens & Savings Bank Bldg., 9 story, rein.-con., brick, Court Ave. to S. & W. Constr. Co., Shrine Bldg., $700,000.

O., Akron—STORE—Akron Dry Goods Co., 16 South Main St., rebuilding 5 story, basement store building, South Main St., to Carmichael Constr. Co., Central Saving & Trust Bldg., $250,000.

O., Cleveland — CLUB HOUSE — Cleveland Club, c/o W. J. Van Akeen, 1715 Euclid Ave., 12 story, basement, 120 x 192 ft., brick, steel, concrete, Carnegie Ave. and East 107th St., to Thompson-Starrett Co., 250 Park Ave., New York. Est. $1,600,000.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., A. W. Bailey, 750 Huron Rd., 2 story, basement, 120 x 130 ft., rein.-con., stone, East 55th St. and Prospect Ave., to Lundoff-Bicknell Co., B. F. Keith Bldg. Est. $350,000. Noted May 10.

O., Dayton—OFFICE—Refiners Oil Co., 315 South Main St., 8 story, basement, 58 x 110 ft., rein.-con., brick, tile, plain found. Monument St., to H. R. Blagg Co., 1229 East 3rd St., $500,000.

Ind., South Bend—UNION PASSENGER STATION—New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr., Cleveland, O., and New York Central R.R., 466 Lexington Ave., New York, F. B. Freeman, ch. engr., general contract 3 story, basement, 85 x 180 ft., rein.-con., brick, steel, stone, to Walsh Constr. Co., 114 West 3rd St., Davenort, Ia. Est. $500,000. Noted May 10.

Ill., Chicago — APARTMENT — T. D. Randall, 1609 Howard St., masonry and carpentry work 10 story, basement, 66 x 149 ft., rein.-con., 5510 Kenwood Ave., day labor. W. L. Hoffman, archt., 718 West 63rd St., taking bids heating, plumbing, 2 passenger elevators mechanical ventilating system, central refrigerating plant. $750,000.

Ill., Chicago—OFFICE and STORE—Holabird & Root, archts., 333 North Michigan Ave., general contract on superstructure 16 story, basement, 107 x 231 ft., granite, brick, steel, stone, caisson found., to Lundorf-Bicknell Co., 180 North Michigan Ave., for Palm-olive-Poot Co., 360 North Michigan Ave. Est. $2,500,000. Noted May 3.

Ill., Chicago — SALES and SERVICE — Community Motors, Inc., 235 East 33rd St., general contract 2 story, on 128 x 176 ft. site, Madison St. and La Vergne Ave., to Holton, Seeley & Co., 235 East 33rd St. Est. $300,000.

Wis., Milwaukee — BANK — East Side State Bank, 418 East North Ave., general contract 1 story, basement, 12 x 86 x 126 ft., brick, plain found., North Ave., to H. Schmitt & Son, 14 Burleigh St. Est. $150,000. Noted June 21.

Neb., Hastings — MASONIC TEMPLE — Hastings Cathedral Assn., H. Proffitt, secy.,

Constr. News page 19a

Buildings—Commercial (Continued)

general contract 4 story, basement, 102 x 190 ft., rein.-con., brick, steel, to John Loff & Sons, 4012 Lake St., Omaha. $253,750. Est. $300,000. Noted June 21.

Mo., Normandy — CLUB — North Hills Country Club, c/o R. C. McElvain, pres., 4355 Warne Ave., St. Louis, general contract 2 story, basement, 144 x 200 ft., concrete, stucco, hollow tile, brick club, incl. 36-hole golf course, 40 x 90 ft. swimming pool 10 ft. deep. Hunt Rd. and Melrose Ave., to F. F. Meckfessel Constr. Co., 6625 Delmar Blvd., St. Louis. Est. $150,000. Noted May 24.

Mo., St. Louis—HOTEL—William H. & Nelson Cunliff Co., 410 North Euclid Ave., 15 story, basement, 50 x 106 ft., rein.-con., brick, stone ,terra cotta, 15th and Olive Sts. Owner builds. Est. $1,000,000. A. B. Boyer, Arcade Bldg., archt.

Mo., St. Louis—OFFICE—See Railways under "Missouri."

Tex., Dallas—APARTMENT HOTEL, STORE and THEATRE—J. F. Smith, University Park Development Co., Snider Plaza, 7 story, basement, 100 x 128 ft., rein.-con., brick, plain found., Snider Plaza, to Churchill Humphrey Co., Magnolia Bldg., $430,000.

Tex., San Angelo—HOTEL—B. B. Hail of West Texas Lumber Co., general contract 14 story, brick, rein.-con., steel, to R. E. McKee, El Paso. Est. $1,000,000. Hilton Hotel Co., Dallas, lessee. Noted June 7.

Okla., Oklahoma City—OFFICE—S. Ferris, Pauls Valley, 4 story, 100 x 100 ft., rein.-con., brick addition to Cotton Exchange Building, to Tankersley Constr. Co., Tradesmens Bldg., $150,000. Noted May 4.

Wash., Seattle—STORE and OFFICE—J. G. Von Herberg, c/o H. Bittman, archt., Securities Bldg., 3 story, (ultimately 6 story) basement, 120 x 126 ft., rein.-con., steel, 6th and Pine Sts., to West Coast Constr. Co., Lloyd Bldg., $300,000.

Calif., Oakland—ADMINISTRATION—School Dist., 3 story, rein.-con. administration (school) building, to Liebert & Trobock, 185 Stevenson St., San Francisco, $169,696. Noted July 5.

Calif., San Francisco — APARTMENT — J. G. Kincannon, 254 Edgewood Ave., 6 story, basement, rein.-con., Eddy St. near Leavenworth St., day labor. $150,000.

Ont., Toronto—CLUB HOUSE—Eglinton Hunt Club, Eglinton & Avenue Rd., general contract 1 and 2 story, basement, 100 x 300 ft., rein.-con., brick, steel, plain found., incl. bowling alleys, swimming pools, to A. R. Holmes Ltd., 6 Hayden St. Est. $200,000. Noted July 5.

Ont., Toronto—OFFICE—Adelaide-Sheppard Co., Ltd., Central Bldg., 16 story, basement, 70 x 100 ft., rein.-con., brick, steel, plain found., Adelaide St. W., to Simcoe Constr. Co., Central Bldg. Est. $1,000,000.

Buildings—Industrial

Proposed Work

Me., Eastport—FACTORY, etc.—Blanchard Mfg., Co., A. L. Blanchard, treas., factory, office and wharf. $40,000 or more. Engineer and architect not selected.

Mass., Chelsea (br. Boston)—FACTORY—Beaudette Mfg. Co., Crescent Ave., plans by Schein & Levine, 448 Bway., 2 story, brick addition, plain found.

N. Y., Amenia—POWER HOUSE—Dpt. Mental Hygiene, Albany, bids in August, power house and tunnels at Wassaic State School, for Mental Defectives.

N. Y., Auburn—SHOP—Dpt. Correction, Albany, bids in October, shop building at Auburn Prison.

N. Y., Brooklyn—GASOLINE STORAGE TANKS—Beacon Oil Co., Inc., 320 Freeman St., bids probably in September, gasoline storage tanks, Freeman and East Provost Sts. $144,610. B. F. Fallon, 26 Auckland St., Boston, Mass., archt. Noted June 28.

N. Y., Brooklyn—SERVICE GARAGE—Daleson Realty Corp., 187 Remsen St., D. Levine, pres., plans by C. Goodman, 375 Fulton St., 1 story, 90 x 198 ft., concrete, brick, East New York and Troy Aves. $85,000.

N. Y., Brooklyn—SERVICE GARAGE—P. D. B. Building Corp., 475 Crown St., P. Butterman, pres., plans by Farber & Kalkin, 1746 Pitkin Ave., 82 x 211 ft., concrete, brick, East New York Ave. and Herzl St. $250,000.

N. Y., Brooklyn—SERVICE GARAGE—Realty Associates, 162 Remsen St., W. Greve, pres., plans by B. Driesler, Jr., 153 Remsen St., 3 story, 108 x 197 ft., concrete, brick, 130 Western Parkway Court. $350,000.

Constr. News page 20

N. Y., Firthcliffe—YARN MILL—Lockwood, Greene & Co., archts., 1 Pershing Sq., New York, soon let general contract 4 story, basement, 55 x 160 ft., brick, steel, rein.-con., plain found., for Firth Carpet Co. $100,000.

N. Y., New York—FACTORY and SHOWROOM—Vestrymen of Trinity Church, 72 Wall St., plans by V. Mayper, 15 East 40th St., 12 story, 130 x 200 ft., brick, steel addition, 160 Varick St. $500,000.

N. Y., New York—MANUFACTURING and STORE—Eighth Ave. Building Co., Inc., 1133 Bway., L. Kovner, pres., plans by Gronenberg & Leuchtag, 1385 Bway., brick, steel, 709-8th Ave. $100,000.

N. Y., New York—SHOP and GARAGE—Consolidated Gas Co., 130 East 15th St., 1 story, 28 x 138 ft., brick, timber, 400 East 22nd St. $40,000. Private plans.

N. J., Newark—WAREHOUSE—New Jersey Forwarding Co., R. Saldutte, Madison St., 5 story, basement, brick, steel, plain found., 203-213 Delancy St. $150,000. Engineer and architect not selected.

Md., Baltimore—FACTORY—B. Frank, archt., 517 Charles St., soon lets contract 1 story, 52 x 300 ft., brick, steel, Beason, Clement, Decatur and Lowman Sts., for Union Bros., 37 West Cross St.

N. C., Gastonia—MILL—Belmont Hosiery Mills, R. L. Stone, Jr., pres., new plant, 1,000 doz. pair hose per week capacity.

N. C., Lexington—GAS PLANT, etc.—Lexington-Thomasville Gas Co., N. H. Gellert, pres., large gas plant on northeast side or city; also high pressure main will be laid to Thomasville, $175,000.

Ga., Atlanta—LAUNDRY—Atlanta Laundries, Inc., Glenn Bldg., soon takes bids 3 story basment, rein.-con. laundry. I. Moscowitz, Glenn Bldg., Atlanta, archt.

Fla., Miami—COLD STORAGE PLANT—Clyde Steamship Co., Pier 36, North River, New York sketches (1st unit) cold storage plant, Pier 2, $50,000; installing cold storage facilities on vessels, $100,000.

Alabama—MILLS—Robert & Co., archts., Bona Allen Bldg., Atlanta, Ga., soon lets contract two 15,000 spindle mills both 1 story, basement, brick, rein.-con., one at Albertville and other Guntersville, for American Mfg. Co., Noble & West Sts., Brooklyn, N. Y.

Ky., Louisville—PLANTS—Union Carbon & Carbide Corp., 30 East 42nd St., New York, bids probably in December, oxygen and acetylene plants, brick, steel, Floyd St. and Byrne Ave. $150,000. Private plans.

O., Ashtabula—FACTORY—Aetna Rubber Co., S. T. Campbell, pres. and genl. mgr., 815 East 79th St., Cleveland, three 1 story, brick, steel, buildings, $100,000. Private plans.

O., Cleveland—FACTORY—Erie Dyeing & Processing Co., 2765 East 55th St., plans by A. F. Janowitz, 811 Prospect Ave., 1 story, 67 x 90 ft., brick, steel addition, $40,000.

O., Cleveland—FACTORY and OFFICE—McKinney, Tool & Mfg. Co., E. W. McKinney, pres., Arabella Rd. and Roseland Ave., plans by F. G. Hoefler, 728 B. F. Keith Bldg., 60 x 60 ft. factory, 40 x 40 ft. office, both 1 story, brick, steel additions, Roseland Ave. and Arabella Rd. $40,000.

O., Cleveland—FACTORY—Triplex Screw Co., A. F. Weber, proprietor, 6112 Central Ave., 1 story, brick, steel, 6112 Central Ave. $40,000. Private plans.

O., Cleveland—PACKING PLANT—Hildebrandt Provision Co., C. R. Hildebrandt, pres., 3620 Clark Ave., soon lets contract 2 story, basement, 105 x 127 ft., brick, rein.-con., Clark Ave. $100,000. Anders & Reimers, Erie Bldg., archts.

O., Portsmouth—REPAIR GARAGE—Portsmouth Auto Parts & Wrecking Co., 1121 Findlay St., soon takes bids 1 story, basement, 35 x 76 ft., brick, concrete, 1121 Findlay St. $40,000.

Ind., Ft. Wayne—ROUNDHOUSE, etc.—Wabash R.R. Co., 1765 Railway Exch. Bldg., St. Louis, Mo., R. H. Howard, ch. engr., postponed indefinitely construction rein.-con., brick round house, trainmens service building, 100 ft. turntable. $200,000. Noted Apr. 7, 1927.

Mich., Detroit — BRAKE FACTORY — Midland Steel Products Co., 6660 Mt. Elliott Ave., 1 story, 90 x 300 ft., concrete, brick, steel addition, plain found. $600,000. Private plans.

Wis., Milwaukee — DRY CLEANING PLANT—H. L. Kuehnel, engr., 4625 Woodlawn Court, soon lets contract 2 story, basement, 25 x 140 ft. dry cleaning plant and 1 story, 25 x 25 ft. garage, brick, plain found., Clinton St., for M. Goldberg, 702 Lincoln Ave.

Tex., Dallas—TEXTILE DYE PLANT—J. P. Burrus and A. A. Jackson, Amer. Exch. Bank Bldg., and C. P. Collins, 4720 Gaston St., textile dye plant, Love Field, $900,000.

Okla., Muskogee—PACKING PLANT—Swift & Co., U. S. Yards, Chicago, Ill., sketches poultry packing plant. $100,000. Private plans.

Okla., Okmulgee—OIL REFINERY—Independent Oil & Gas Co., Kennedy Bldg., Tulsa, one cracking still addition. $60,000. Pritchard & Purington, 543 Robinson Bldg., Tulsa, engrs.

Okla., Wewoka—FACTORY—Natl. Safety Mfg. Co., sketches 1 story, 100 x 180 ft., brick, plain found., Cedar St. $100,000. Engineer and architect not selected.

Calif., Emeryville—FACTORY—Western Electric Co., 680 Folsom St., San Francisco, sketches fireproof factory. $500,000.

Calif., Sacramento—PUBLIC MARKET—E. Wahl & E. Pease, 1107 J. St., plans by Coffman-Sahlberg-Stafford Co., Plaza Bldg., 1 and 2 story, 200 x 200 ft., rein.-con., incl. approaches, driveways, Alabama Blvd. $200,000.

Ont., Pembroke — FACTORY — Steel Equipment Co., Ltd., Union Bank Bldg., Sparks St., Ottawa, soon takes bids factory addition. $70,000.

Ont., Pinkerton — FLOUR MILL and POWER PLANT — Thomas Birrell & Son, rebuilding roller flour mills, town electric light and power plant, recently destroyed by fire. $150,000 loss.

Ont., Toronto—FABRICATING SHOP—Dominion Bridge Co., Reford Bldg., 1 story, rein.-con., brick, steel addition, plain found., Sorauren Ave. $150,000. Private plans. Steam heating, sheet metal and skylights.

Ont., Toronto—FACTORY—Service Station Equipment Co. Ltd., 510 King St. E., 1 story, 120 x 340 ft., rein.-con., brick, steel, addition, plain found., Coxwell Ave. $150,000. D. Brouse, 510 King St. E., engr.

Bids Desired

Mass., Boston—AUTO SALES, SERVICE and REPAIR GARAGE—July 14 (extended date), by Packard Motor Co., A. MacAuley, pres. and mgr., East Grand Blvd., Detroit, Mich., 4 story, 115 x 235 ft., rein.-con., steel, limestone addition, plain found., Commonwealth Ave. To exceed $40,000. A. Kahn, Inc., 1000 Marquette Bldg., Detroit, Mich., archts. Noted May 17.

N. Y., New York—FACTORY—G. A. Bagge & Sons, archts., 157 East 44th St., taking bids 2 buildings, for Columbia Metal Box Co., 228 East 144th St. $100,000. Noted Dec. 23, 1926.

N. Y., New York—GARAGE—A. J. Thomas, archt., 2 West 46th St. bids about July 14, garage, 338 East 48th St., for J. P. C. Realty Corp., J. P. Carney, pres., Grand Central Terminal Bldg. $90,000.

N. J., Hackensack — GARAGE — B. S. Newman, archt., 173 Main St., taking bids general contract 2 story, basement, 110 x 125 ft., rein.-con., brick, steel addition, plain found., State St., for Sproat & Dunn, 211 State St. $150,000.

N. J., Jersey City — FACTORY — See "Contracts Awarded."

N. J., Lodi (Ind. br. Hackensack) — FACTORY — J. H. Liebou, archt., 238 Main St., Hackensack, taking bids general contract 1 story, basement, brick, steel addition, plain found., Garibaldi Ave., for Metakloth Co., c/o architect. $40,000.

Miss., Jackson—OVERALL FACTORY—N. and W. Overall Co., Lynchburg, Va., bids after July 12, 4 story, rein.-con., brick factory. $75,000. C. H. Lindsley, Lamar Life Bldg., archt.

Ill., Chicago—PRINTING PLANT—F. Chase, Inc., taking bids 1 story, part basement, 312 x 500 ft., brick, Natchez Ave., for R. O. Law Co., 633 Plymouth Pl. $400,000. Noted May 31.

Tex., Dallas—HOSIERY MILL—Morten-Davis Co., E. W. Morten, Jefferson Hotel, taking bids 1 story, 105 x 156 ft., and 45 x 45 ft., rein.-con., brick, plain found., Maple Ave. $55,000. W. Scott Dunne, 306 Melba Bldg., archt.

Ont., Toronto—PRINTING and ENGRAVING PLANT—M. Brown, archt., Confederation Life Bldg., taking bids 5 story, basement, 40 x 140 ft., rein.-con., brick, plain found., Spadina Ave., for Photo Engravers, Ltd., 249 Spadina Ave. $100,000.

Contracts Awarded

Mass., Chelsea (br. Boston) — ICE PLANT — Ice Utilities Co., c/o Funk & Wilcox, archts., 26 Pemberton Sq., Boston, 1 story, 115 x 145 ft., brick, steel, 3rd St., to Marden & Orlando, 46 Cornhill, Boston. Est. $50,000. Noted June 28.

Mass., Hyde Park (Ind. sta. Boston)—MANUFACTURING — Compressed Steel Shafting Co., 1587 Hyde Park Ave., 1 story, rein.con., brick, addition, plain found., Hyde Park Ave., to Topham & Bates, 1209 Hyde Park Ave.

Buildings—Industrial (Continued)

Conn., Bridgeport—PUBLISHING PLANT—Post Publishing Co., 140 Middle St., 4 story, 70 x 125 ft., rein.-con., brick publishing plant and office building to E. F. Constr. Co., 94 Wells St. Est. $150,000. Noted June 21.

Conn., Waterbury — FACTORY—Farrell Fdry. & Machine Co., 453 Bank St., 2 story, brick, steel, Bank St., to Immick Co., State St. extension, Meriden. Est. $200,000. Noted June 21.

N. Y., Brooklyn—FACTORY and WAREHOUSE — Decorated Metal Mfg. Co., 196 Degraw St., E. H. Thatcher, in charge, 6 story, rein.-con., to Barney-Ahlers Constr. Corp., 110 West 40th St., New York. Est. $100,000. Noted Feb. 2.

N. Y., Brooklyn — GARAGE and FACTORY — Superior Fire Proof Storage Warehouse, Inc., F. T. Johnson, pres., 8322 5th Ave., 6 story, 40 x 100 ft., brick, steel, to Tucker Constr. Co., 199 William St., New York. $60,000. Noted June 21.

N. J., Elizabeth — FACTORY—American Copper Products Corp., Bayway, general contract 1 story, 105 x 480 ft., brick, steel, plain found., Amboy Ave. and Laural St. to Wigton Abbott Corp., 705 Park Ave., Plainfield. Est. $80,000. Noted June 28.

N. J., Elizabeth—LAUNDRY—Morey La Rue Laundry Co., 16 West Jersey St., laundry, 16 West Jersey St., to Austin Co., 120 Bway., New York. Est. $500,000.

N. J., Jersey City—FACTORY—American Can Co., 120 Bway., New York, 7 story, 96 x 200 ft., brick, rein.-con., plain found., 317 St. Pauls Ave. and Dey St., day labor. $275,000. A. B. Heisser, c/o owner, archt.

N. J., Newark—LABORATORY—United Color & Pigment Co., Evergreen Ave., general contract 1 story, basement, 70 x 120 ft., brick, plain found., McClellan St., to Enstice Bros., 111 Academy St. Est. $40,000.

N. J., Newark—WAREHOUSE—Austin Finance Co., 1220 Jefferson Bldg., Cleveland, O., 2 story, brick, 105 Ave. L, to Austin Co., 120 Bway, New York. Est. $165,000.

N. J., New Brunswick—FACTORY—John Waldron Co., 30 East 42nd St., New York, 1 story, brick, steel, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O. Est. $50,000.

N. J., Paterson—DYE FACTORY—H. H. Brown & Sons, 15 4th Ave., general contract 1 story, 55 x 75 ft., brick, steel, plain found., 4th St. and Railroad Ave., to J. Yorma, 1 Jane St. Est. $40,000.

Pa., Jenkintown — PRINTING SHOP — Times Chronicle, 2 story, basement, 68 x 104 ft., brick, steel, plain found., Johnson St. and West Ave., to R. Randall, Jenkintown. Noted June 28.

Pa., Phila. — SHOPS — Hunter Concrete Products Co., 535 Chestnut St., 1 story, 40 x 200 ft., concrete block, steel, plain found., School Lane and Ridge Ave., to Elliott Bros., 6637 Lansdowne Ave.

Pa., Stoops Ferry (mail Glenwillard)—FOUNDRY—Homestead Valve Mfg. Co., 134 6th Ave., Homestead, altering and constructing 1 story, brick, steel addition, to Martin Constr. Co., Diamond Bank Bldg., Pittsburgh. Est. $40,000.

Pa., Stowe—MILL—C. E. Wunder, archt., 1520 Locust St., Phila., 1 story, basement, 118 x 129 ft., rein.-con., brick, plain found., to Herbert Kurtz, Sanatogo, for Pottstown Hosiery Mill, Pottstown. Noted June 21.

Fla., Tampa—FACTORY—Gulf Fertilizer Co., 706 Franklin St., 1 story, 161 x 306 ft., concrete, brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $165,000.

Ala., Birmingham — PLANT — Crawford Johnson & Co., Inc., 508 South 22nd St., general contract 3 story, rein.-con., 11th St. between 33rd and 34th Aves., to South Ferro Concrete Co., 70 Ellis St. N.E., Atlanta, Ga., $165,000.

Ala., Tuscaloosa — FACTORY — E. Z. Opener Bag Co., group of 1 to 3 story, rein.-con., brick, steel buildings, plain founds., to C. A. D. Bayley & Co., Inc., Citizens and Saving Bank Bldg., Atlanta, Ga. Est. $300,000. Noted April 19.

O., Cleveland—FACTORY—Eaton Bumper & Spring Serv. Co., 6515 Carnegie Ave., 1 story, 42 x 90 ft., brick, steel, 6515 Carnegie Ave., to Dresser Co., The Arcade. Est. $40,000.

O., Cleveland — FACTORY and STORAGE — Vlchek Tool Co., F. J. Vlchek, pres., 3000 East 87th St., 1 story, 30 x 60 ft. factory addition, 1 story 40 x 102 ft. storage building, both brick, steel, 3000 East 87th St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $40,000.

O., Cleveland — MACHINE SHOP — Superior Screw & Bolt Mfg. Co., N. F. Jones, pres., 3650 East 93rd St., 1 story, 107 x 150 ft., brick, steel, East 93rd St. and Aetna Rd., to J. L. Hunting Co., 1525 Guarantee Title Bldg. Est. $60,000.

O., Kent — FACTORY and BOILER HOUSE—C. G. Kistler, archt., Kent, 26 x 58 ft. factory, 26 x 29 boiler house, both 1 story, brick, steel, to Super-Built Constr. Co., 1836 Euclid Ave., for I. N. Gross Co., M. E. Reed, 1220 West 3rd St., Cleveland. Est. $100,000. Noted June 28.

Mich., Kalamazoo — BOX FACTORY — Kalamazoo Paper Box Co., East Kalamazoo Ave. and Pitcher St. 2 story, 50 x 100 ft., rein.-con., brick, plain found., East Kalamazoo Ave., to O. F. Miller Constr. Co., Pratt Bldg. Est. $50,000.

Mich., Pontiac—FACTORY—Fisher Body Corp., General Motors Bldg., Detroit, 1 story, 400 x 460 ft., concrete, brick, steel, plain found., to W. E. Wood Co., 1805 Ford Bldg., Detroit. Est. $2,000,000.

Ill., Kewanee — BOILER FACTORY — Kewanee Boiler Corp., West 4th St., 1 story, 80 x 279 ft. addition, to Worden-Allen Co., 208 South La Salle St., Chicago, $200,000.

Wis., Milwaukee—FACTORY—Heil Co., 26th and Montana Aves., 1 story, 74 x 302 ft., brick, steel addition, plain found., Montana Ave., to Klug & Smith Co., 69 East Wisconsin Ave.

Ia., Waterloo—FACTORY—Hohn Deree Tractor Co., 6 story, 100 x 260 ft. machine shop, to J. G. Miller & Sons Constr. Co., Waterloo; 3 foundry and cleaning plants, to J. Olesen & Sons Constr. Co., Waterloo; new power and storage plants, to J. H. Hunzinger Co., Davenport. Noted June 7.

Mo., St. Louis—REPAIR SHOP—See "Railways under Missouri."

Calif., Emeryville — LABORATORY — Shell Oil Co., 200 Bush St., San Francisco, 3 story, rein.-con., Santa Fe and Horton Sts., to G. Wagner, 181 South Park St., San Francisco, $100,000.

Calif., San Francisco — GARAGE — Yellow Cab Co., 1290 Bush St., 3 story, basement, rein.-con., to Cahill Bros., 206 Sansome St., $32,500. Noted June 28.

Calif., San Pedro—WAREHOUSE—Los Angeles Compress & Warehouse Co., Cotton Exch. Bldg., 1 story, 220 x 750 ft., 13 ft. high, rein.-con., Berth 56, to W. P. Neil Co., Inc., 4814 Loma Vista St., $150,000.

Ont., Hamilton—DYE HOUSE—Zimmerknit Mills Ltd., 2 story 55 x 137 ft., rein.-con., steel, Dundurn St., to Frid Constr. 200 Clyde Blk. Est. $65,000. Noted June 7.

Ont., Kitchener—NEWSPAPER PLANT—Kitchener News Record Co., W. J. Motz, mgr., 49 King St. W., 2 story, basement, 50 x 135 ft., brick, to O. Wiles, Bridgeport. Est. $75,000. Noted May 10.

Ont., Toronto—RUG CLEANING PLANT—Babayans Ltd., 34 King St. E., general contract 3 story, basement, 61 x 100 ft., rein.-con., brick, steel, plain found., Duke and George Sts., to E. E. Woodley, 183 Avenue Rd. Est. $75,000.

Buildings—Educational, Religious

Proposed Work

Mass., Auburn—SCHOOLS—F. H. Allen, chn. Bd. Selectmen, sketches by Peare & Dorman, 6 Beacon St., Boston, two brick, stone, Elm Hill and Auburn Center Dists. $150,000. Noted May 31.

Mass., Milton (br. Boston)—SCHOOL—Town, H. F. Turner, supt. schools, new sketches by Shepard & Stearns, 65 Franklin St., Boston, 3 story, basement, brick, limestone, concrete found., Edgehill Rd., East Milton Sect. $250,000. Noted Apr. 26.

Mass., Woburn—SCHOOL—City, T. H. Duffy, mayor, new sketches Junior High School, 2 or 3 story, basement, brick. $650,000. Engineer and architect not selected. Noted Dec. 15.

R. I., Woonsocket—HOME—St. Vincent DePaul's Society, c/o J. F. Hogan, Grosvenor Bldg., Providence, raising $150,000 or more funds, old folks home.

N. Y., Brooklyn—COLLEGE—Long Island University, c/o R. Jones, pres., 66 Court St., soon lets contract college, Pearl and Tillary Sts. $325,000. F. H. Quinby, 110 William St., New York, archt. Noted June 14.

N. Y., Brooklyn—COLLEGE—Brooklyn College Pharmacy, 265 Nostrand Ave., H. B. Smith, chn. building com., sketches by Tooker & Marsh, 101 Park Ave., New York, 4 story, brick, 598 Lafayette St. $600,000.

N. Y., Franklin — HIGH and GRADE SCHOOLS — J. B. Warmer, pres. Union Free School Dist. Bd. Educ., soon takes bids additions to high and grade schools. A. K. Moseley, 351 River St., Troy, archt.

N. Y., Highland Falls — SCHOOL — Bd. Educ., C. Pan, pres., plans by Tooker & Marsh, 101 Park Ave., New York, 2½ story, brick school. $225,000.

N. Y., Industry—SCHOOL—F. R. Utter, supt. Standards & Purchase, Albany, soon takes bids state school, for Dpt. of Charities. $200,000. N. R. Sturgis, 91 State St., Albany, archt.

N. Y., Iroquois—SCHOOL—F. R. Utter, supt. Standards & Purchase, Albany, soon takes bids Thomas Indian School, for Dpt. Charities. $200,000. La Vaute & Mulranen, Herald Bldg., Syracuse, archts.

N. Y., Newark—SCHOOL—State Educ. Comn., Education Bldg., Albany, bids latter part July, State School. $1,110,000. Tooker & Marsh, 101 Park Ave., New York, archt. Noted June 7.

N. Y., New York—HOME—Samaritan Home for Aged, H. Davis, pres., 414 West 22nd St., bids in September general contract 8 story, 30 x 90 ft., brick, steel, 440 East 88th St. $175,000. J. F. Jackson, 137 East 45th St.

N. Y., New York — MUSEUM — Amer. Museum of Natural History, H. T. Osborn, pres., bids in January or February, 3 story preparation and storage of specimens building $500,000, 2 story Australian building $1,000,000, 4 story lecture hall and amphitheater $3,000,000, all brick, 77th St. and Columbus Ave. Trowbridge & Livingston, 527 5th Ave., archts. Noted Mar. 29.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., plans by W. C. Martin, Flatbush Extension, Brooklyn, 4 story, 91 x 179 ft., brick, 275 Northern Ave. $780,000.

N. Y., Ossining—HIGH SCHOOL—Union Free School Dist. 1, Ossining, bids in October 2 story, brick, 26 South Highland Ave. $750,000. J. G. Rogers, 156 East 46th St., New York, archt. Noted May 31.

N. Y., Sidney — SCHOOL — Bd. Educ., Union Free School Dist. 1, H. Brody, pres., plans by P. Rogers, 101 Park Ave., New York, 2 story, brick school. $250,000. H. R. Howland, 101 Park Ave., New York, engr. Noted Mar. 29.

N. Y., Syracuse — SCHOOL — Commissioner Mental Hygiene, Dpt. Mental Hygiene, Albany, soon takes bids Syracuse State School, Fairmont. $500,000. Randall & Vedder, S. A. & K. Bldg., archts.

N. Y., Ticonderoga—SCHOOL—Bd. Educ. Union Free School Dist. 5, W. W. Jeffers, pres., bids after July 20, 2 story, brick, Butler and Lake George Aves. $300,000. Tooker & Marsh, 101 Park Ave., New York, archts. Noted June 7.

N. J., Cliffside Park (mail Cliffside)—CHURCH—C. C. Wendehack, archt., 101 Park Ave., New York, soon lets contract 2 story, basement, tower, irregular sized, brick, stone, steel, plain found., Palesach Ave., for Trinity Episcopal Church, R. A. Carleton, chn. building comn., 784 River Rd., Edgewater. $150,000. Noted May 10.

N. J., Weehawken—NURSES HOME and TRAINING SCHOOL—North Hudson Hospital, Park Ave., plans by P. A. Vivarttas, 110-48th St., Union City, 5 story, basement, brick, steel, plain found., Columbia Terrace. $150,000.

Pa., Washington — HIGH SCHOOL — School Bd. soon takes bids Senior and Junior High School addition, incl. gymnasium, swimming pool, rein.-con. $605,000. E. B. Lee, archt. and W. G. Wylie, engr., both Washington. Noted June 21.

N. C., Statesville—HIGH SCHOOL—City plans by M. L. Hampton, Lenoir, (1st unit) high school. $300,000.

Ala., Birmingham—HIGH SCHOOLS—Bd. Educ. plans by Warren, Knight & Davis Empire Bldg., West End High School, $500,000; South Side High School, $750,000. both rein.-con., brick, stone, plain founds.

Ga., Atlanta—TEMPLE—Hebrew Benevolent Congregation plans by Hentz, Adler & Schultze, Candler Bldg., temple, Peachtree St.

O., Cleveland — ACADEMY — St. Augustines Academy, 14808 Lave Ave., soon lets contract 2 story, basement, 60 x 128 ft., brick, steel, concrete, 14808 Lake Ave. $150,000. W. Koehl, 1720 Euclid Ave., archt.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway., Ave., plans by G. D. Mason & Co., 800 Standard Savings & Loan Bldg., Griswold and Jefferson Aves., 2 story, basement, 14 room, rein.-con., brick, steel, plain found., Gratiot Park. $175,000.

Ill., Bunker Hill — HIGH SCHOOL — Meissner High School, c/o A. H. Wise, secy., soon lets contract 2 story, basement, 110 x 132 ft., rein.-con., brick, terra cotta high school. Klipstein & Rathman, 316 North 8th St., St. Louis, Mo., archts.

Ill., Chicago — NURSES HOME — A. E. Robinson, archt., City Hall, soon takes new bids on revised plans 5 story, basement, 95 x 200 ft. nurses home, 31st St. and California Ave., for City. Former bids rejected. $450,000. Noted Mar. 8.

Wis., Green Bay — CHURCH and SCHOOL—Union Congregational Church, E. T. Strambel, chn. building com., 711

Constr. News page 21

Buildings—Educational, Religious (Cont.)

South Madison St., soon lets contract 1 story, basement, 49 x 104 ft. church, and 42 x 100 ft. school, brick, plain found. C. E. Reynolds, Green Bay, archt. W. H. Lautz, 806 West 79th St., Chicago, Ill., engr.

Neb., Lincoln — CHURCH — Van Buren Magonigle and R. W. McLoughlin, archts., 101 Park Ave., New York, bids latter part November, 1 and 3 story, 100 x 200 ft., brick, stone, steel, 20th and D Sts., for First Plymouth Congregational Church, c/o B. F. Wyland, pastor, 17th and A Sts. $500,000. Noted June 7.

Que., Montreal—MONASTERY—Reverend Fathers of Blessed Sacrament plans by E. Cormier, 2039 Mansfield St., monastery, St. Hubert and Mount Royal Sts. $500,000.

Bids Desired

Me., Bath—HIGH SCHOOL—July 19, by City, Bd. Educ., 2 story, basement, 105 x 155 ft., brick, concrete, stone high school. $200,000. Bunker & Savage, 256 Water St., Augusta, archts. Noted June 7.

N. H., Claremont — HIGH SCHOOL — July 16, by Town, A. B. Kellogg, supt. schools, 3 story, basement, 122 x 187 ft., and 70 x 90 ft., brick, steel, Broad and Summer Sts. $200,000. F. I. Cooper, 172 Fremont St., Boston, Mass., archts. Noted July 5.

N. H., Durham—CHEMISTRY—July 14, by New Hampshire State College, 4 story, 58 x 154 ft., brick, steel chemistry building. $150,000. E. T. Huddleston, Durham, archt. Noted Apr. 5.

Mass., Roxbury (sta. Boston)—ADMINISTRATION—July 17, by Densmore, LeClear & Robbins, archts., Park Sq. Bldg., Boston, 3 story, basement, 65 x 135 ft., brick, stone, plain found., 360 Fenway, for Simmons College, H. La Favour, 300 Fenway. $150,000. Noted Mar. 1.

N. Y., Blue Point—SCHOOL—Blue Point School Dist, c/o H. LeCluse, bids about July 15, 2 story, brick school. $175,000. W. G. Potter, 22 East 17th St., New York, archt. Noted May 31.

N. Y., Malone—SCHOOL—July 16, by W. L. Allen, pres. Bd. Educ., for Franklin Academy, brick, steel, concrete. $500,000. Fuller & Robinson Co., 95 State St., Albany, archts. Noted May 31.

N. Y., New York—SCHOOL—July 26, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, addition to P. S. 82, West 176th St., from Macombs Rd. to Harrison Ave., for Bd. Educ., 500 Park Ave. Noted June 28.

N. Y., New York—SCHOOL—July 26, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 94, 4 story, 178 x 182 ft., brick, Kings College Pl. and Gun Hill Rd., for Bd. Educ., 500 Park Ave. Noted May 24.

N. J., Nutley (br. Newark)—SCHOOL—July 17, by Bd. Educ., 2 story, basement, irregular sized, brick, steel addition, plain found., incl. auditorium and gymnasium, Harrison St. $350,000. Guilbert & Betelle, 20 Branford St., Newark, archts. Noted June 14.

N. J., Oradell — HIGH SCHOOL — Bd. Educ., Kinderkamack Rd., bids about July 30, Junior High School, 3 story, basement, brick, steel, plain found., Prospect St., between Church and Center Sts. $325,000. Coffin & Coffin, archts, 522 5th Ave., New York.

N. J., Princeton—SCHOOL—Princeton Junior School for Boys, bids about Aug. 15, 2 story, basement, brick, steel, plain found. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts. Noted May 17.

N. J., Roselle (Ind. br. Elizabeth)—HIGH SCHOOL—July 20, by Bd. Educ., Chestnut St., 2 story, basement, 195 x 208 ft., brick, steel, plain found., 6th Ave. and Chestnut St. $250,000. F. A. Elsasser, Falls Bldg., Morris Ave., Union, archt. Noted July 5.

N. J., Secaucus (Ind. br. Weehawken)—SCHOOL—Bd. Educ., Town Hall, bids about July 25, 2 story, basement, 300 x 550 ft., brick, steel, plain found., on 300 x 550 site, Back Rd. $175,000. W. Mayer, Jr., 711 Bergenline Ave., West New York, archt.

Pa., Pennhurst—ASSEMBLY—July 16, by H. W. Castor, archt., St. Girard Bldg., Phila., 2 story, mezzanine, basement, 60 x 134 ft., brick, steel, plain found., for Pennhurst State School, J. H. Buchman, Lincoln Bldg. $150,000.

Pa., State College—ENGINEERING—July 24, by Pennsylvania State College, 3 story, basement, 60 x 175 ft., and 49 x 68 ft., brick, rein.-con., stone, steel, plain found. C. Z. Klauder, 1429 Walnut St., Phila., archt.

Constr. News page 22

D. C., Wash.—DORMITORY—July 18, by Dist. Comrs., boys dormitory, National Training School.

O., Columbus—LIBERAL ARTS—July 28, by Bd. Trustees Ohio State University, C. E. Steeb, secy., remodeling and constructing 3 story, basement, 180 x 200 ft., brick, concrete, stone, addition, on campus. $370,000. J. N. Bradford, Ohio State University, archt.

Mich., Detroit—SYNAGOGUE—Kohner & Payne, archts., 404 Kresge Bldg., taking bids 2 story, basement, 95 x 120 ft., brick, steel, stone, plain found., Dexter Blvd., for Congregation B'Nai Moshe, 2907 Fullerton Ave. $150,000. Noted Dec. 29.

Mich., Ludington — CHURCH — July 17, by S. C. Allen, archt., 205 Eddy Bldg., Saginaw, 3 story, basement, 115 x 130 ft., brick, steel, plain found., Harrison St., for Community Congregational Church, c/o architects. $150,000. Noted July 5.

Ill., Chicago—SCHOOLS, etc.—July 19, by Bd. Educ., 650 South Clark St., E. With all, bus. mgr., 2 new schools one at 92nd St. and Hamlin Ave., other Parker and Long Sts., $500,000 each; Funston School addition, Central Park and Armitage Aves.; electrical work, lighting fixtures, coal and ash conveyor, heating, plumbing and ventilating for other schools. J. C. Christensen, c/o owner, archt.

Ill., La Grange — SCHOOL — J. C. Llewellyn Co., archts., 38 South Dearborn St., Chicago, taking bids 2 story, basement, 60 x 170 ft., brick, stone, for Bd. Educ. $150,000.

Mont., Great Falls—HIGH SCHOOL—July 19, by School Bd. Dist. 1, Cascade Co., 3 story, rein.-con., steel, stone, terra cotta high school. $90,000. Bird & Van Teylinger, Great Falls, archt.

Contracts Awarded

N. H., Concord—SCHOOL—St. Pauls School—S. V. Bruty, in charge, dining hall, to J. W. Bishop Co., 101 Park Ave., New York. Noted Dec. 8.

N. H., Salem — CHURCH — St. Josephs Roman Catholic Church, T. C. McLaughlin, pastor, 1 story, basement, brick, stone, plain found., to L. Marion & Son, 104 Martin St., Lowell, Mass. Est. $150,000.

Vt., Brattleboro — SCHOOL and AUDITORIUM—St. Michael's Roman Catholic Church, 2 story, basement, 70 x 160 ft., and 50 x 52 ft., brick, steel, to C. D. Marsh Constr. Co., Woodsville, N. H. Est. exceeds $150,000. Noted June 14.

Mass., Cambridge (br. Boston) — CHURCH, etc.—Immaculate Conception Parish, F. Manning, pastor, 1 and 2 story, basement, irregular sized, brick, stone convent, school and rectory, plain founds., Tannery St., to C. Logue Building Co., 18 Tremont St., Boston. To exceed $150,000.

Mass., North Adams — SCHOOL — St. Francis Church, E. F. Dunphey, pastor, 3 story, basement, 115 x 150 ft., rein.-con., brick, steel, to D. J. Donahue, 39 Forest Park Ave., Springfield, $210,500. Noted June 31.

N. Y., Albany—CHURCH—First Lutheran Church, 9 Lodge St., C. S. Frontz, pastor, 1 story, brick, to E. C. Finke, 115 Woodlawn Ave. Est. $150,000. Noted Nov. 18, 1926.

N. Y., Albany—LAW SCHOOL—Fuller & Robinson, archts., 95 State St., brick, steel, concrete, to J. J. Finn & Son, New Scotland Ave., for Albany Law School. Est. $500,000. Noted Feb. 9.

N. Y., Albany—MONASTERY—Church of Emaculate Conception, 2 story, attic, 200 x 290 ft., brick, concrete, steel, stone cloister monastery, to J. P. Sewell, 372 Hudson Ave. Est. $300,000.

N. Y., New York—COMMUNITY—Natl. Council of Jewish Women, 2109 Bway., E. Joseph, pres., 3 story, community building, to Wharton Green Co., 24 West 40th St. Est. $150,000. Noted May 24.

N. Y., Rego Park—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 139, to L. J. Rice, College Point, $311,800; heating, to J. H. McCann, 89 Newtown Rd., $52,800. Noted June 14.

N. J., Irvington (br. Newark)—SCHOOL—Bd. Educ., 1253 Clinton Ave., general contract 2 story, basement, brick, steel, plain found., Florence Ave., to J. J. Polewka Co., 558 Grove St., $219,000; heating to J. H. Nelles Co., 835 Springfield Ave., Newark, $38,300. Noted June 21.

N. J., South Orange — SCHOOL — Bd. Educ., South Orange and Maplewood School Dist., Parker Ave., Maplewood, general contract 2 story, basement, brick, steel, Wyoming Ave., to L. M. Steele Co., Concourse Bldg., $209,541. Noted June 14.

Pa., Berwyn — HIGH SCHOOL — Joint School Bds. Easttown and Treddyfrin Twps., general contract 2 story, basement, 96 x 125 ft., brick, rein.-con. addition. Plain found., to R. R. Gove, 1712 Ludlow St., Phila., $109,339. Noted June 7.

D. C., Wash. — SCHOOL — Milburn & Heister, archts., Hill Bldg., general contract school for Shrine of Blessed Sacrament, to J. A. Richards, 311 New Jersey Ave. N. W. electrical work, to E. C. Grammi, 1009 19th St. N. W. Noted July 5.

Ill., Chicago — HIGH SCHOOL — Bd. Educ., 650 South Clark St., general contract Austin Senior High School, 3 story, Pine and West End Aves., to Great Lakes Constr. Co., 306 South Wabash Ave., $1,298,725; carpentry, to O. W. Rosenthal-Cornell Co., 228 North La Salle St., $250,000; lath and plaster, to Lennox-Halderman Co., 208 South La Salle St., $199,844; painting, to A. Ladegaard, 2921 West Diversey Ave., $57,985; marble, to Flavin Marble Co., 3701 South St. Louis Ave., $113,514; plumbing, to J. J. Calnan Co., 440 South Dearborn St. Est. $2,000,000.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., general contract School 690, 105th and Morgan Sts., to A. and G. Anderson Co., 228 North La Salle St., $321,400; School 692, Newland and Cortland Sts., to Simpson Constr. Co., 1113 South Hermitage Ave., $318,900.

Ill., Lake Forest—SCHOOL and CHURCH—Ladies of Sacred Heart, Lake Forest, masonry and carpentry contract 3 story 125 x 151 ft., brick, 6230-56 Sheridan Rd., to Noonan Constr. Co., 176 West Adams St. Est. $360,000.

Wis., Milwaukee — SCHOOL — Directors Bd. Educ., F. M. Harbach, secy., excavation, concrete, masonry contracts for Vieau School, 3 story, basement, 65 x 160 ft., Greenbush Ave., to S. Czaplewski, 878 2nd Ave. $120,000; heating, to Wenzel & Henoch, 498 27th St. $27,393. Noted May 17.

Federal Government Work

Proposed Work

Conn., Norwalk—DREDGING—U. S. Engineer Office, Providence, R. I., dredging in Norwalk Harbor.

N. Y., New York — DREDGING and ROCK REMOVAL — U. S. Engineer Office, Army Bldg., Whitehall St., dredging and rock removal in Hudson River.

Del., Wilmington — DREDGING — U. S. Engineer Office, dredging in Murderkill River.

Maryland — DREDGING — U. S. Engineer Office, Baltimore, dredging in Crisfield and Cambridge Harbors.

North Carolina—DREDGING—U. S. Engineer Office, Wilmington, Del., dredging in Neuse and Trent Rivers; in Shallotte River; in Sects. 1 and 2, interacoastal waterway from Beaufort to Cape Fear.

Ky., Louisville — MACHINERY — U. S. Engineer Office machinery and piping for Dam 51, Ohio River.

Mich., Detroit—BETTERMENTS—Treas. Dpt. at office Supervising Archt., Wash., D. C., rejected bids betterments to U. S. Post Office and mechanical equipment. Noted May 3.

Wisconsin and **Minnesota** — DREDGING—U. S. Engineer Office, St. Paul, Minn., dredging in St. Croix River.

Wis., Milwaukee — DREDGING — U. S. Engineer Office, Milwaukee, dredging entrance, and part of turning basin at Sheboygan Harbor.

Missouri and Nebraska — LIGHTING SYSTEM—Dpt. Commerce, Wash., D. C., soon takes bids lighting system for airlines between St. Louis and Kansas City, Mo., and Omaha, Neb.

Mo., Kansas City — CLUMP DIKES — U. S. Engineer Office, 3,400 lin.ft. 3 row pile clump dikes in St. Charles Reach and 6,500 lin.ft. current retards in St. Auberts Bend.

Texas — DREDGING — U. S. Engineer Office, Galveston, redredging Sect. 2 channel between Aransas Pass and Corpus Christi.

Tex., Galveston — ELECTRIC PLANT, etc. — U. S. Engineer Office purchasing automatic electric plant and electric refrigerating for Intracoastal Canal Quarterboat.

California—LEVEE WORK—U. S. Engineer Office, San Francisco, levee work in 26 ft. channel project in San Joaquin River and Stockton Channel.

Calif., San Diego—ENTRANCE GATEWAY—Spec. 5598—Bureau Yards & Docks, Navy Dpt., Wash., D. C., concrete gate posts, coping wall, wrought steel fence, gates and lighting fixtures at Naval Operating Base (Hospital).

Federal Government Works (Continued)

Ont., Ottawa—LEGATION BUILDING—Treas. Dpt., Wash., D. C., plans by C. Gilbert, 244 Madison Ave., New York, 5 story, basement, 72 x 100 ft., rein.-con., brick, steel, stone, plain found., Wellington St. $250,000.

Cuba, Guantanamo—MARINE RAILWAY—Spec. 5587—Bureau Yards & Docks, Navy Dpt., Wash., D. C., reconstructing marine railway at Naval Station, Guantanamo Bay.

Cuba, Guantamano — POWER PLANT EQUIPMENT—Spec. 5356—Bureau Yards & Docks, Navy Dpt., Wash., D. C., rejected bids June 6, power plant equipment at Naval Station, Guantamano Bay. Noted June 21.

Bids Desired

N. H., Portsmouth—AIR COMPRESSOR—Spec. 5619—July 25, at office Bureau Yards & Docks, Navy Dept., Wash., D. C., air compressor at Navy Yard. L. E. Gregory, chf. of Bureau; adv. E. N.-R. July 12.

New York—DREDGING, etc.—Aug. 10, at U. S. Engineers Office, Army Bldg., 39 Whitehall St., New York City, dredging in Great South Bay, (Patchogue River), Long Island; adv. E. N.-R. July 12.

N. Y., Northport—INCINERATOR—July 17, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., garbage and refuse incinerator at U. S. Veterans' Hospital.

N. J., Ft. Monmouth — SEWAGE DISPOSAL TANK — July 16, by Constructing Quartermaster, sewage disposal tank.

N. J., New Brunswick—REMODELING—July 30, by Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office; adv. E. N.-R. July 12.

Pa., Sharpsburg—ELEVATOR MACHINE—July 24, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., elevator machine in infirmary building U. S. Veterans' Hospital, Aspinwall.

D. C., Wash.—DORMITORY—Dpt. Interior bids about Sept. 15, general contract womens dormitory Howard University. $180,000. A. I. Cassell, Howard University, archt. Noted May 24.

Va., Hampton Roads—STOREHOUSE—Spec. 5623—July 18, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., storehouse at Naval Operating Base. Noted July 5.

S. C., Charleston—DREDGING—Aug. 8, by U. S. Engineer Office, dredging approximately 500,000 cu.yd. Cooper River and Town Creek, Charleston Harbor; adv. E. N.-R. July 12. Noted June 28.

Ala., Montgomery—DREDGING, etc.—Aug. 10, at U. S. Engineers Office, dredging, building sand dikes in Chattahoochee River; adv. E. N.-R. July 12.

Miss., Greenwood—REMODELING, etc.—Aug. 10, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling, enlarging post office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. July 12.

Michigan—DREDGING—Aug. 6, by U. S. Engineer Office, Detroit, dredging 834,500 cu.yd. to widen Course 7, Middle Neebish Channel, St. Marys River; adv. E. N.-R. July 12.

Kan., Newton—REMODELING—Aug. 3, at office Supervising Architect, Treas. Dept., remodeling U. S. Post Office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. July 12.

Okla., Ft. Sill—OFFICERS QUARTERS—July 27, at office Constructing Quartermaster Field Artillery School, War Dept., 7 company officers quarters; adv. E. N.-R. July 12.

Idaho, Boise—ELEVATOR—July 31, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., one electric passenger elevator in Building 27, at U. S. Veterans' Hospital.

Arizona—ROAD—July 19, by Dpt. Interior, Natl. Park Serv., San Francisco, Calif., paving Grand Canyon Natl. Park Highway System.

Wash., Ellensburg—EARTHWORK, etc.—Aug. 7, at office Bureau Reclamation, earthwork, canal lining, tunnel, structures, South Branch Canal, Kittitas Division, Yakima Project. P. W. Dent, acting comr.; adv. E. N.-R. July 12.

California—ROAD—July 24, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 451 Market St., San Francisco, grading, graveling 11.85 mi. San Marcos Extension Project, Santa Barbara Co.

Calif., Sawtelle—MESS HALL—July 31, by Colonel Hadley, Soldiers Home, 1 story, 60 x 200 ft. with two 2 story, 70 x 200 ft. end wings, at Soldiers Home. Noted July 12.

Bids Received

N. Y., Albany—DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York, July 5, dredging, rock removal in Hudson River, 3.5 mi. south of here, from G. H. Breyman & Bros., 17 Battery Pl., New York (1) $0.33 (2) $3 (3) $3.33. Noted June 7.

Pa., Carlisle — REMODELING — Treas. Dpt., at office Supervising Archt., Wash., D. C., July 3, remodeling U. S. Post Office, from Agostini Bros., Norfolk, Va., $20,585. Noted June 21.

Md., Fort Leonard Wood—BARRACK—Constructing Quartermaster, June 26, barrack building, from Nichols & Lindemann, Municipal Terminal, Norfolk, Va., $282,600 (280 days). Noted May 31.

Va., Fredericksburg — REMODELING and ENLARGING — U. S. Engineer Office, June 28, remodeling, enlarging U. S. Post Office, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $17,486. Noted May 31.

La., Alexandria — HOSPITAL — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., building utilities at U. S. Veterans' Hospital, construction, from Virginia Eng. Co., Newport News, Va., $879,000; plumbing, from D. W. Chapman, Bond Bldg., Wash., D. C.; $99,506; heating, from Redmon Heating Co., 146 North 4th St., Louisville, Ky., $79,000; electric, from R. A. Phelps, Beloit, Wis., $78,500; elevators, from Otis Elevator Co., 810 18th St. N. W., Wash., D. C., $18,467; refrigerating, ice making equipment, from Pyles Refrigerating Co., Baltimore, Md., $20,000. Noted May 31.

Ill., Galena—BOILER HOUSE—Treas. Dpt. at office Supervising Archt., Wash., D. C., July 5, boiler house at U. S. Post Office, from Continental Constr. Co., Ft. Dodge, Ia., $5,626. Noted June 21.

Tex., Fort Sam Houston (sta. San Antonio)—REFRIGERATING MACHINERY—A. W. Parker, Quartermaster Corp., refrigerating machinery for 35 ton capacity ice plant, from York Mchy. Co., York, Pa., $12,210. Noted July 5.

Calif., San Rafael—DREDGING—U. S. Engineer Office, Custom House, San Francisco, June 26, dredging 173,300 cu.yd. in San Rafael Creek, from Dutton Dredge Co., Mills Bldg., San Francisco, at $0.16 per cu.yd. Noted June 14.

Contracts Awarded

Me., Portland — REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling, repairing at U. S. Marine Hospital, to Boston Supply Co., 320 Congress St., $3,850. Noted June 28.

N. Y., Rosebank (sta. Staten Island)—CHEMICAL STORAGE BUILDING — Treas. Dpt. at office Supervising Archt., Wash., D. C., chemical storage building at U. S. Quarantine Station, to M. Barash, 60 Bergen St., Brooklyn, $5,300 (90 days). Noted July 5.

Pa., Bradford — REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to Smythe & Co., 1415 F St. N. W., Wash., D. C., $19,937 (150 days). Noted June 28.

Pa., Marcus — RIVER BULKHEAD — Treas. Dpt. at office Supervising Archt., Wash., D. C., rehabilitation river bulkhead at U. S. Quarantine Station, to S. D. Collins, Port Penn, Del., $11,911. Noted June 28.

Pa., Sharpsburg—APARTMENT, etc.—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., apartment house and officers duplex quarters building, at U. S. Veterans' Hospital, Aspinwall to W. P. Thurston Co., Richmond Trust Bldg., Richmond, Va., $65,000. Noted July 5.

Md., Fort Leonard Wood—WATER SYSTEM—U. S. Engineer Office, water distribution system, to W. C. Spratt, Fredericksburg, Va., $27,700.

S. C., Parris Island—DEAERATING APPARATUS—Spec. 5607—Bureau Yards & Docks, Navy Dpt., Wash., D. C., continuous blow-off equipment and deaerating heater, to M. H. Pagenhardt, 2130 Locust St., Phila., Pa., $15,786 (120 days). Noted June 14.

Fla., Jupiter—QUARTERS—Spec. 5616—Bureau Yards & Docks, Navy Dpt., Wash., D. C., double quarters at Naval Radio Station, to F. B. Earle, 148 Barton Ave., West Palm Beach, $9,500 (180 days). Noted June 14.

Ky., Dawsonsprings—SHOP, etc.—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., shop and storage building, at U. S. Veterans' Hospital, Outwood, to Smythe & Co., 1416 F St. N. W., Wash., D. C., $29,779. Noted July 5.

Ky., Louisville — NEEDLE FLATS — U. S. Engineer Office, Box 72, 9 steel needle flats, to Howard Ship Yards & Dock Co., Jeffersonville, Ind., $18,457. Noted May 24.

O., Fairfield — WATERTANK — Constructing Quartermaster, 150,000 gal. steel water tank and trestle, to Pittsburgh Des Moines Steel Co., 429 Penn Ave., Pittsburgh, Pa., $10,700. Noted Mar. 15.

Illinois—EARTHWORK—U. S. Engineer Office, Northern Mississippi River Comn., Courthouse, St. Louis, Mo., dredging in Henderson D. D. 1, to Lacrosse Dredge Co., 405 Plymouth Bldg., Minneapolis, Minn., $149,850. Noted July 5.

Ill., Maywood—FENCE and GATES—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., 14,000 lin.ft. wire fence and gates with concrete anchorage at Edward Hines, Jr. Hospital, to Chain Link Fence Co., 5064 Kimball Ave., Chicago, $14,140. Noted June 21.

Ark., Pine Bluff—REVETMENT—U. S. Engineer Office, Memphis, Tenn., bank revetment work in Arkansas River, to W. P. McGeorge, Pine Bluff, Ark., $15,719.

Okla., Muskogee — ROADS — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., June 12, concrete roads at U. S. Veterans Hospital, to Ellis & Lewis, 507 Surety Bldg., $23,880. Noted May 24.

Wash., Walla Walla—STORE HOUSE—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., storehouse at U. S. Veterans' Hospital, to N. J. McLeod, P. O. Box 94, $21,762. Noted May 31.

Calif., San Diego — DOLPHINS — Spec. 5614—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing dolphins at Naval Operating Base, (Destroyer Base, air station and fuel depot), to Barclay & Schaniel, 2353 Columbia St., San Diego, $55,000. Noted June 28.

Alaska—FLUME, etc.—U. S. Engineer Office, Burke Bldg., Seattle, Wash., 3,300 ft. flume, dikes, cribs, placing 1,000,000 ft. lumber, 25 tons bolts, for Lowell Creek flood Control, to Warrack Constr. Co., McDowell Bldg., Seattle, Wash., for Alaska Railroad Comn. $125,000.

Unclassified

Proposed Work

HEATING PLANT—**Stoughton, Mass.**—Town, F. I. Capen, chn. Bd. Selectmen, central heating plant to heat group school buildings. Engineer not selected.

GOLF COURSE and CLUB HOUSE—**Wilbraham, Mass.**—Stony Hill Golf Club, Stony Hill, J. Dodgue, preliminary plans golf course and club house. To exceed $25,000. C. C. West, 25 Harrison Ave., Springfield, engr.

ELECTRIC CONNECTIONS — **Haverstraw, N. Y.**—Div. Standards & Purchase, Albany, bids in September, electric service connection at West Haverstraw.

STOKER, etc.—**Ossining, N. Y.**—Dpt. Correction, Albany, bids in December, mechanical stoker under boilers, replacing feed water heats, at Sing Sing Prison.

REFRIGERATION, etc. — **Rochester, N. Y.**—Dpt. Mental Hygiene, Albany, bids in December, refrigeration equipment; bids in September, patients, employee and staff accommodations, at Rochester State Hospital.

DOCK—**Passaic, N. J.**—Bd. City Comrs., City Hall, dock along Passaic River. $150,000. Engineer not selected.

HIGH PRESSURE MAINS—**North Carolina**—See "Buildings-Industrial, under Lexington."

ROCK CRUSHING PLANT—**Lithonia, Ga.**—Piedmont Corp., Bona Allen Bldg., Atlanta, and 25 Madison Ave., New York, financing purchase of Rock Chapel mountain, and construction rock crushing plant. Standard-gage railway from Lithonia to quarry site, to McDonald Constr. Co., Auburndale Rd., Lakeland, Fla. Total cost $400,000.

OVERHEAD CROSSING—**Bemis, Tenn.**—Dpt. Hys., Nashville, and Illinois Central R.R. Co., A. F. Blaess, ch. engr., 135 East 11th Pl., Chicago, Ill., concrete overhead crossing over railroad tracks, on State Rd. 5. To exceed $25,000.

LIGHTING SYSTEM—**Bexley** (Columbus P.O.), **O.**—Lighting system, underground cables on Cassingham, Remington, Ardmore, Stanwood and other streets, $60,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

GRAIN ELEVATOR—**Sioux City, Ia.**—Terminal Grain Corp., 360 Grain Exchange Bldg., 500,000 bu. grain elevator addition, concrete. $100,000.

CULVERTS—**Sublett, Kan.**—Haskell Co. culverts on 24 mi. RD-K22, T. Rosenaur, Court House, engr.

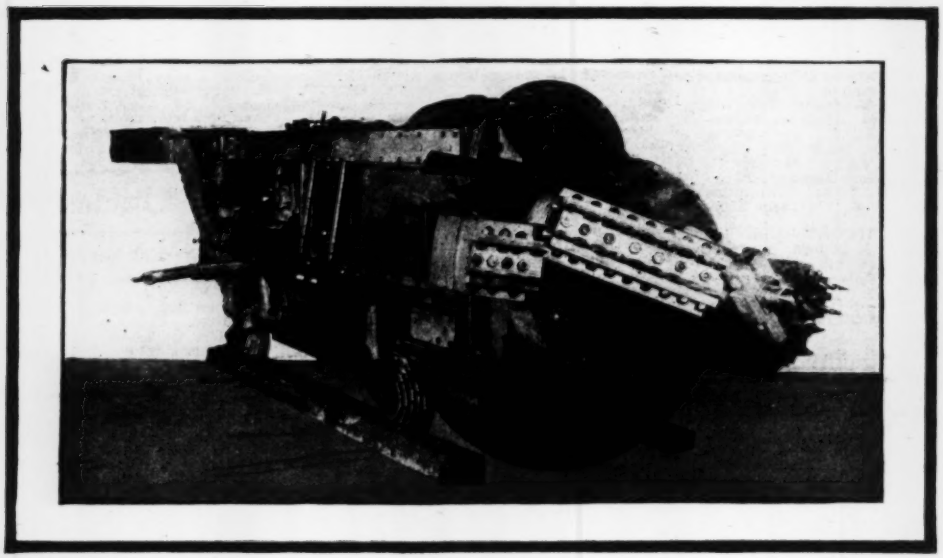
LIGHTING SYSTEM—**St. Louis, Mo.**—City, c/o Bd. P. Serv., soon takes bids electric lighting system, incl. rein.-con. standards, lanterns, glassware, cable, on Easton, Newstead, Chouteau and Oakland Aves., $500,000, also on other streets, $200,000. L. Pritchard, City Hall, dir.

HIGH LINE—**Texas**—Central Power & Light Co., Frost Bldg., San Antonio, sur-

Constr. News page 23

Introducing The "Mole"

Does More Work In An Hour Than Four Men Do In A Day



THE brute strength of the "Mole" and only *two* men do more work in an *hour* than *four* men can accomplish by old methods in an *entire day*.

Eating steadily ahead through clay, shale, sandstone, limestone, the powerful "Mole" drives a smooth and even bore.

Costs slashed to bits!

Blasting, with its attendant dangers, and time lost—mucking—timbering—are eliminated.

As the "Mole" bores in, the surplus dirt and rock falls into buckets, is quickly conveyed to the rear of the machine and is loaded into cars—automatically.

This is the greatest machine ever introduced for sewer and tunnel contractors, mine operators and municipalities.

Investigate the money saving possibilities of the "Mole."

Standard sizes to dig bore of tunnel five, six or seven feet.
Other sizes on special order.

Send for descriptive booklet.

The Winterbottom-Connelly Co.

1406 West 25th Street

CLEVELAND, OHIO

Unclassified (Continued)
leys 25 mi. highline from Camp Wood to Leakey. $40,000. Private plans.

TRANSMISSION LINE — **Texas**—Texas Utilities Co., Plainview (subsidiary Community Power & Light Co., Planters Bldg., St. Louis, Mo.), surveys rebuilding 80 mi. transmisison line from Plainview to Lockney, constructing high voltage line from Lockney to South Plains and to Silverton, Briscoe Co. $100,000.

TRANSMISSION LINE—**Texas** — West Texas Utilities Co., Abilene, 4,200 ft. 12,000 volt line in Northwestern Crockett Co.; extending 3,700 ft. 440 volt line to Rosser-Pendleton oil field; constructing distribution line starting intersection Ave. A and 14th St. in conjunction with Southern Bell Telephone Co. at Cisco; extending 3 blocks 2,300 volt line on 7th St., Cisco; constructing 1,875 ft. 2,300 volt line at McCamey; extending 3 blocks secondary line 7th St. and 2 blocks in alley, Cisco. $30,000. Private plans.

GAS DISTRIBUTING SYSTEM—**Eagle Pass, Tex.**—See "Contracts Awarded."

LAND DEVELOPMENT—**El Paso, Tex.**—L. H. Orndorff, A. W. Norcop, et al., Two Republics Bldg., forming corporation to acquire Rim Rd. property and plans developing same in conjunction with city plan development. $100,000.

OIL PIPE LINE—**Oklahoma** and **Kansas**—Independent Oil & Gas Co., Kennedy Bldg., Tulsa, 160 mi. 8 in. oil pipe line from Okmulgee, Okla. to Eureka, Kan. $900,000. Private plans.

AIRPORT—**Idabel, Okla.**—City preliminary plans air port. $25,000. F. H. Taft, Idabel, engr.

HANGARS, etc—**Alameda, Calif.**—Alameda Airport, Inc., 550 Howard St., San Francisco, plans by K. Bier, 550 Howard St., San Francisco, one 70 x 100 ft. and 8 smaller hangars 32 ft. high, incl. administration building, steel. To exceed $150,000. E. G. Burr, 550 Howard St., San Francisco, engr.

LIGHTING SYSTEM—**Berkeley, Calif.**—Ornamental lighting system on Shattuck Ave. between Durant Ave. and Ward St. $27,000.

LIGHTING SYSTEM—**Berkeley, Calif.**—Ornamental lighting system on Ashby Ave. between College and San Pablo Aves. $31,000.

LIGHTING SYSTEM—**Los Banos, Calif.**—Ornamental lighting system on I and 6th Sts. $25,000. V. G. Bryant, city clk.

PIER — **San Francisco, Calif.** — State Harbor Comn., plans Pier 1, 135 x 700 ft., rein.-con. north end of Ferry Building. $1,000,000. F. G. White, Ferry Bldg., engr.

DISTRIBUTING SYSTEM, etc.—**Windsor, Ont.**—Windsor Hydro-Electric Comn., Hydro Bldg., distributing system $111,000, sub-station equipment $80,000, transformers $40,000, meters 40,000, also street lighting extensions. O. M. Perry, c/o owner, engr.

Bids Desired

ELECTRIC TRANSMISSION LINE — **Waltham, Mass.** — July 17, by Dpt. Mental Diseases, State House, Boston, electric transmission line at Metropolitan State Hospital. Former bids rejected. $25,000 or more. E. C. Brown Co., 220 Devonshire St., Boston, engrs. Noted June 14.

UNDERPASS—**Albany, N. Y.**—July 18, by J. M. McMartin, Albany, ch. engr. Delaware & Hudson R.R., 32 Nassau St., New York, underpass for eliminating Delmar-Elsmere grade crossing, Albany Co. $154,700. Noted June 30, 1927.

HEATING—**Bedford Hills, N. Y.**—July 26, by Commissioner Correction, Dpt. Correction, Albany, heating for Cowden and Robertson Cottages, New York State Reformatory for Women; adv. E. N.-R. July 12.

BORINGS — **Long Island City, N. Y.** — July 20, by Bd. Transportation, 49 Lafayette St., New York, borings, Route 108, along Northern Blvd., Bway., Queens Blvd., Kew Gardens Rd., Agreement "H-H."

ASPHALT PLANT—**New York, N. Y.**—July 17, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., extensions, additions to asphalt plant.

COMFORT STATION—**Thiells, N. Y.**—July 20, by C. A. Van Arsdale, constructing, sanitary work for comfort station at Letchworth Park, Wyoming Co.

LAMP POSTS, etc.—**New Jersey**—July 23, by State Hy. Comn., Trenton, 112 concrete lamp posts on Route 1 extension, Sects. 3, 12, 13 and 14 A, Jersey City, Hudson Co. and Newark, Essex Co. A. L. Grover, clk.; adv. E. N.-R. July 12.

BULKHEADS—**Phila., Pa.**—July 16, by Dpt. Wharves, Docks & Ferries, Municipal Pier 4, South Wharves, R. Weglein, dir., Schuylkill River Bulkheads, Schedule C, west side, south of Harkness Point, and Schedule D, west side north of Mingo Creek.

FRUIT AUCTION HOUSE—**Pittsburgh, Pa.**—July 19, by W. D. Wiggins, ch. engr. Pennsylvania R.R. Co., Penn. Sta., structural metal work for fruit auction house at produce terminal, Contr. P 79.

LIGHTING and TRAFFIC CONTROL SYSTEM, etc.—**Cincinnati, O.**—July 24, by Bd. Rapid Transit Comrs., electric lighting, traffic control system, incl. 218 single unit standards equipped with 4,000 lumen lamps, 23 traffic signal standards on Central Parkway from Brighton to Ludlow Aves., $58,000; 1,350 lin.ft. cut stone railings around ventilator openings, 11,500 lin.ft., railings around retaining walls and bridges, $97,500, 1,350 lin.ft. artificial stone railings around ventilator openings, 11,500 ft. railings around retaining walls and bridges $65,000, all on Central Parkway. F. L. Raschig, City Hall, engr.

STADIUM and SPORTS PALACE — **Chicago, Ill.** — J. W. Snyder & Co., 307 North Michigan Ave., general contractors taking sub-bids 266 x 300 ft., brick, steel stadium and sports palace, 115 ft. high, Warren Ave., Lincoln and Madison Sts., for J. J. Harmon, 1701 West Van Buren St. Est. $4,786,000. Noted Mar. 31, 1927.

GRAIN ELEVATOR—**Omaha, Neb.**—A. R. Kinney, 1513 Sherman Ave., taking bids 45 x 135 ft. grain elevator, 125 ft. high, rein.-con., 262 bu. capacity, Sherman St. $80,000. E. Ahlskog, 6226 Kimbark St., Chicago, Ill., archt.

GAS DISTRIBUTING SYSTEM—**Eagle Pass, Tex.**—See "Contracts Awarded."

GAS DISTRIBUTING SYSTEM, etc.—**San Antonio, Tex.**—Terrell Hills Co., c/o A. Steves, Jr., et al., Elizabeth Rd., taking bids natural gas distributing system, mostly pipe and materials $12,000, street paving $35,000, and sewers in Terrell Hills Sub-Division. Hare & Hare, Huntzinger Bldg., Kansas City, Mo., engrs. Noted May 17.

WHARF—**San Pedro, Calif.**—July 18, by City Harbor Comn., Los Angeles, 40 x 496 ft. wharf with 3 ramps, creosoted wood piling and cedar decking. Noted Apr. 19.

Contracts Awarded

PIER, Etc.—**Boston, Mass.**—Dpt. P. Wks., repairing Commonwealth Pier 5, and altering office, to B. & M. Constr. Co., Statler Bldg., $73,807. Noted July 5.

COKE OVENS—**Everett** (br. Boston), **Mass.**—New England Fuel & Transportation Co., 250 Stuart St., Boston, 2 story, 20 x 130 ft., brick, steel coke ovens, River St., to Heyl & Patterson, Inc., 51 Water St., Pittsburgh, Pa. Est. $40,000. Noted May 24.

LANDING FIELD—**Albany, N. Y.**—Bd. Contr. & Supply, City Hall, grading, lighting addition, Lindbergh Aviation Field, to Airport Constr. Corp., 21 East 40th St., New York, $82,362. Noted May 31.

PLATFORM and SHEDS—**Buffalo, N. Y.**—New York Central R.R., F. B. Freeman, ch. engr., 466 Lexington Ave., platform, sheds, electric conduits, sewers, drainage system, on new passenger terminal station, Curtis St., to John Johnson Constr. Co., 765 Abbott Rd., $700,000.

STATION FINISH—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish for 116th, 125th, 135th St. stations along and under 8th and St. Nicholas Aves., to Charles Meads & Co., 217 West 14th St., $286,119. Noted June 21.

ATHLETIC FIELD — **Flint, Mich.**—Bd. Educ., Essex St., fence, grading, banking track, grading field, to Travis Bros. 2nd Blvd. and Baltimore Ave., Detroit, $35,000.

GRAIN ELEVATOR—**Council Bluffs, Ia.**—Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, Ill., A. W. Newton, ch. engr., 500,000 bu. grain elevator, rein.-con., 4th St. and 28th Ave., to Burrell Eng. & Constr. Co., 513 West Jackson Blvd., Chicago, Ill. Est. $60,000. This corrects report in June 28 issue.

CULVERTS — **Shakopee, Minn.** — See "Streets and Roads."

GOLF COURSE and SWIMMING POOL —**Normandy, Mo.**—See "Buildings-Commercial."

PIPING, STAIRS, etc.—**St. Louis, Mo.**—Bd. P. Serv., City Hall, piping in boiler room Municipal Service Building, to Bradley Heating Co., 3834 Olive St., $40,888; stairs, walks, to Stupp Bros. Bridge & Iron Co., Webster Rd. and Missouri Pacific R.R., $22,132.

GENERATING UNIT, etc.—**Dalhart, Tex.**—Dalhart Pub. Serv. Co. (operated by West Texas Utilities Co., Abilene), installing 500 hp. electric generating unit, 500 hp. McIntosh-Seymour engine; double spray pond and circulating pumps; 41 x 82½ ft., brick, structure steel building plant. $30,000. Owner builds. Private plans.

GAS DISTRIBUTING SYSTEM — **Eagle Pass Tex.**—L. E. Troxelet al, Lufkin and Eagle Pass, natural gas distributing system, day labor. $75,000. Private plans.

WHARF—**Seattle, Wash.**—Pacific Coast Cement Co., 400-ft. wharf, 75 ft. wide, 330,000 ft. untreated and 50,000 ft. dressed lumber, East Waterway, to serve new cement plant, to McEachern Constr. Co., Colman Bldg., $25,500.

TUNNEL — **Yakima, Wash.** — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

GRAIN ELEVATOR—**Portland, Ore.**—Southern Pacific Ry. Co., G. W. Boschke, ch. engr., San Francisco, Calif., remodeling Portland Flour Mills into 1,100,000 bu. grain elevator, Willamette River, to Gilpin Constr. Co., Worcester Bldg. $100,000.

AUTOMATIC SPRINKLER SYSTEM—**Oakland, Calif.**—City Port Comn., automatic sprinkler system, fire protection and domestic water supply for Grove St. Pier, to Western Automatic Sprinkler Co., Inc., 114 Sansome St., San Francisco, $36,242.

WHARF and CARGO BUILDING—**Richmond, Calif.**—Richmond-Parr Terminal, rein.-con. wharf and cargo building, contract originally awarded to California Constr. Co., 225 Bush St., San Francisco, $534,000, has been re-assigned by that firm to Pan-Pacific Piling & Constr. Co., 2779 Poplar St., Oakland. Noted Apr. 12.

LIGHTING SYSTEM—**San Diego, Calif.**—Ornamental lighting system on 5th Ave., to Walker & Martin, 4215 South Western Ave., Los Angeles, $31,636. Noted June 28.

STORAGE TANKS—**Fort William, Ont.**—Ogilvie Flour Mills Co., 36 Concrete storage tanks, 1,125,000 bu. capacity, to Barnett MacQueen Co., Christine St. Est. $200,000.

Materials

Bids Desired

GASOLINE—**New York**—July 16, by P. Jones, supt. School Supplies, Bd. Educ., Room 100, Park Ave. and 5th St., New York, 8,000 gal. gasoline for motor vehicles, Boros Manhattan, Brooklyn and Queens.

SAND, LUMBER, etc.—**New York, N. Y.**—July 17, by P. J. Dooling, comr. Purchase, Municipal Bldg., furnishing, delivering, spreading sand for Dpt. Parks—Richmond; lumber and creosoted wood paving blocks, Dpt. of Correction.

MANHOLE FRAMES, etc. — **Newark, N. J.**—July 16, by Bd. City Comrs., City Hall, manhole frames, covers, c.i. pipe, specials. $5,000. J. W. Costello, city engr.

WATER METERS, etc.—**Maud, Okla.**—Mayor and City Council in market one hundred ⅝ in. water meters, boxes. F. Fowler, city clk.

COPPER PIPE—**Oklahoma City, Okla.**—Mayor and City Council in market 15,000 ft. ⅜ in. copper pipe. M. Peshek, city clk.

Bids Received

PIPE—**Baltimore, Md.**—Bd. Awards, July 5, rein.-con. pipe, from Lock Joint Pipe Co., 9 Rutledge Ave., Ampere, N. J., $54,580.

PORTLAND CEMENT—**Milwaukee, Wis.**—Central Bd. Purchases, J. W. Nicholson, purch. agt., July 2, 7,500 lb. portland cement, from Tews Lime & Cement Co., 32 North Ave., at $1.94 per bbl. Noted June 28.

Contracts Awarded

PORTLAND CEMENT — **Long Island City, N. Y.**—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 2,000 bags portland cement for Bureau Highways, to Hunterspoint Lumber & Supply Co., Anable Ave., $1,300. Noted June 28.

LIME, etc.—**Jersey City, N. J.**—Bd. City Comrs., City Hall, hypochlorite of lime and liquid chlorine for treatment water supply, to Mathieson Alkali Wks., 250 Park Ave., New York, $5,000.

CAST IRON PIPE—**Chicago, Ill.**—City, 1,620 tons 6 and 8 in. c.i. water pipe, f.o.b. cars various city pipe yards to National Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., at $40 per ton.

COMPOUND COLD WATER METERS — **St. Paul, Minn.** — K. L. Fieseler, city purch. agt., 12 compound cold water meters, for Water Dpt., to Badger Meter Co., 30th and Meinecke Aves., Milwaukee, Wis., 3 in. at $112 each, 4 in. $186.

See proposal advertising on page 140

Constr. News page 23a

UNIT PRICES

Summaries of bids gathered by field correspondents or contributed by readers

Road—Ohio

Commissioners of Summit Co., Akron, opened bids Apr. 18, grading, draining and paving 2.5 mi. Sharon-Fairlawn Rd. C. H. No. 83, Sections B and C, 18 ft. wide, waterbound macadam and traffic bound slag. Bidders are: (A) Engineer's Estimate; (B) C. J. Hocker, Findlay, (awarded contract); (C) Costigan-Shroyer Construction Co., Metropolitan Bldg.; (D) H. J. Wright, Kent; (E) H. W. Fox; (F) Gray & Quillan.

	A	B	C	D	E	F
1,600 cu.yd. borrow	$0.60	$0.50	$0.49	$0.54	$0.60	$0.65
8,700 cu.yd. excavation, unclassified	.60	.45	.49	.54	.60	.55
100 cu.yd. excavation, special driveways	.60	.50	.60	.54	.60	.55
200 cu.yd. excavation, special ditches	.75	.60	.65	.75	.75	.60
13,150 lin.ft. finishing shoulders, slopes and ditches (both sides)	.05	.05	.05	.05	.05	.05
600 lin.ft. 4-in. vit. pipe underdrains in place	.10	.08	.10	.10	.10	.15
3,000 lin.ft. 6-in. vit. pipe underdrains in place	.15	.14	.15	.15	.15	.20
200 lin.ft. blind drains in place	.15	.15	.15	.15	.15	.15
200 lin.ft. pipe relaid (10 to 15 in.)	.25	.25	.25	.25	.25	.25
500 lin.ft. pipe laid (furnished by property owners)	.15	.10	.15	.15	.15	.15
776 lin.ft. std. type "D" guard rail in place	.70	.50	.70	.70	.70	.70
12 manhole castings readjusted to grade	10.00	8.00	10.00	5.00	10.00	10.00
25 valve boxes readjusted to grade	2.00	1.50	2.00	1.00	2.00	2.00
9 Fairlawn Hts. stand. inlets in place, complete	45.00	30.00	45.00	37.00	45.00	40.00
1 10-in. vitr. pipe elbow	1.75	1.75	1.75	1.75	1.75	1.75
24 6 x 4-in. vitr. pipe wyes	.50	.50	.50	.50	.50	.50
300 lin.ft. 10-in. vitr. pipe in place	.70	.55	.60	.60	.70	.55
100 lin.ft. 12-in. vitr. pipe in place	.75	.60	.65	.65	.75	.75
30 lin.ft. 12-in. vitr. pipe inlet connections in place	1.00	.80	1.00	1.00	1.00	.85
270 lin.ft. 10-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.35	1.00	1.25	1.35	1.35	1.35
144 lin.ft. 12-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.50	1.25	1.35	1.50	1.50	1.45
72 lin.ft. 15-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.75	1.50	1.70	1.75	1.75	1.65
*3,650 ton No. 46 slag, first course in place	3.10	.....	2.85	2.90	2.70	2.75
*4,351.92 ton No. 46 limestone, first course in place	2.60	2.50	2.60	3.00	.....	.....
2,630 sq.yd. 3-in. W. B. macadam, first base course, in place	.60	.50	.55	.54	.50	.55
2,630 sq.yd. 3-in. W. B. macadam, second base course, in place	.60	.50	.55	.54	.50	.55
2,630 sq.yd. 3-in. bit. macadam, top course, in place	.95	.80	.90	.90	.80	.95
430 cu.yd. excav. structures	2.00	1.50	2.00	1.00	2.00	2.00
100 cu.yd. excav., channel	1.00	.75	1.00	1.80	1.00	.75
80 cu.ft. concrete (1-2-3)	22.00	16.00	22.00	21.00	21.00	22.00
135 cu.yd. concrete (1-2½-4)	18.00	14.00	18.00	17.00	17.00	20.00
8,000 lb. reinforcing steel in place	.06	.05	.05	.06	.06	.06
42 lin.ft. type "G" bridge railing in place	4.00	3.00	4.00	4.00	4.00	4.00
2,040 lin.ft. piling furnished	.35	.30	.35	.30	.35	.35
2,040 lin.ft. piling driven	.55	.45	.55	.55	.55	.55
30 lin.ft. 12-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.50	1.25	1.50	1.50	1.50	1.45
152 lin.ft. 15-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.75	1.50	1.70	1.75	1.75	1.65
40 lin.ft. 18-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	2.00	1.75	1.90	2.00	2.00	2.00
100 cu.yd. cinders in place on detours	1.00	1.00	.25	.50	1.00	.25
50 hr. dragging detour roads	1.00	1.00	.50	.50	1.00	.50
50 hr. blading and scraping detour roads	2.50	2.00	.50	1.50	2.50	.50
Premium on state insurance (lump sum)	400.00	180.00	100.00	200.00	100.00	150.00
Maintaining lights, signs and barricades (lump sum)	40.00	25.00	25.00	40.00	40.00	25.00
Totals—Traffic bound slag and macadam pavement	$35,575	.....	$32,416	$32,585	$32,679	$33,479
Totals—Traffic bound limestone and macadam pavement	$35,575	$30,103	$33,329	$35,056	.....	.....

*Alternate bids.

Engineering News-Record, Issue of July 12, 1928.

Price of Cement at Cleveland, 1910-1928

Per Barrel, Net, F.O.B.

	High	Low	Yearly Average		High	Low	Yearly Average
1910	$1.45	$1.45	$1.45	1920	$2.73	$2.32	$2.46
1911	1.45	1.45	1.45	1921	2.73	2.28	2.45
1912	...	...	...	1922	2.46	2.26	2.34
1913	1.36	1.30	1.32	1923	2.46	2.36	2.44
1914	1.35	1.20	1.28	1924	2.41	2.39	2.40
1915	1.69	1.16	1.28	1925	2.39	2.29	2.37
1916	1.69	1.45	1.53	1926	2.29	2.29	2.29
1917	2.04	1.69	1.94	1927	2.29	2.24	2.24
1918	2.92	1.92	2.25	1928 (6 mo.)	2.24	2.24	2.24
1919	2.92	2.22	2.46				

Price of Crushed Stone at Cincinnati, 1917-1928

Per Ton, ¾-in., F.O.B.

	High	Low	Yearly Average		High	Low	Yearly Average
1917	$1.50	$1.00	$1.41	1923	$2.25	$1.65	$1.86
1918	1.75	1.30	1.56	1924	1.90	1.65	1.83
1919	1.50	1.50	1.50	1925	1.90	1.90	1.90
1920	2.15	1.65	1.73	1926	1.90	1.65	1.81
1921	3.32	2.05	2.65	1927	1.65	1.65	1.65
1922	2.08	1.55	1.82	1928 (6 mo.)	1.65	1.65	1.65

Constr. News page 24